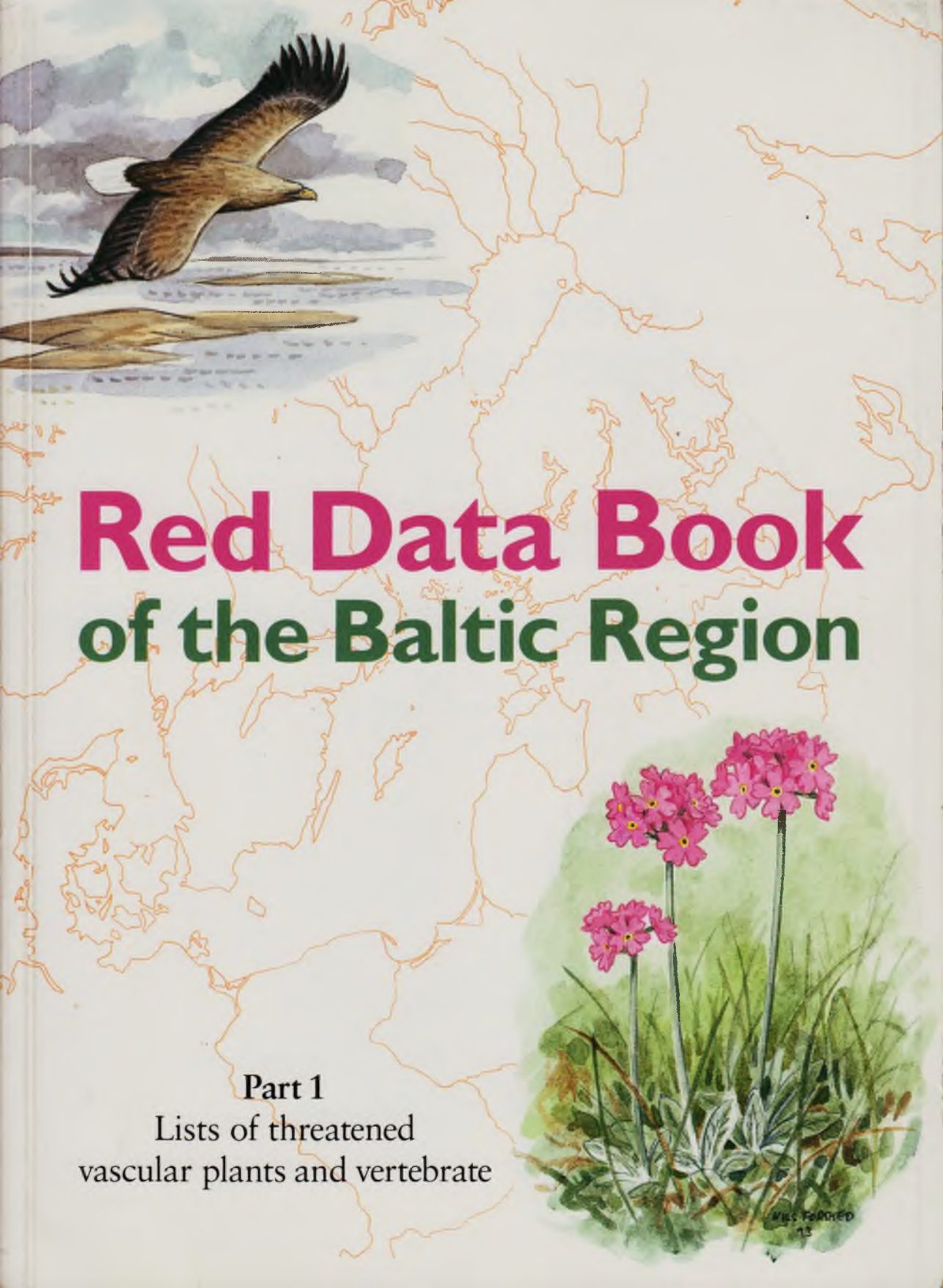


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Red Data Book of the Baltic Region

Part 1

Lists of threatened
vascular plants and vertebrate

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Lists of threatened vascular plants and vertebrates

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PREFACE

Within the context of the joint nature conservation programme set up between the former Soviet Union and Sweden, an initiative was taken in 1986 concerning the conservation of threatened species. A first meeting, between Swedish and Soviet experts, was held in Riga that year. This was followed by a meeting in Sigtuna, Sweden, in September 1988, to which experts from all the countries or administrative areas (parts of countries) in the Baltic region were invited in order to discuss the conservation of threatened species in the region.

The meeting in Sweden agreed to continue collaborating and exchanging information about threatened species by:

- 1 Opening direct and continuous channels of communication for the exchange of information about the threatened species in the region.
- 2 Appointing contact people for each country, if possible one botanist and one zoologist, who would be responsible for this collaboration and exchange of information.
- 3 Collaborating and exchanging information about threatened species of common or regional interest. For a number of species (groups of species) or items (conservation matters), it was agreed that collaboration of various kinds be either started, increased or continued.

It was agreed that the first step in this collaborative programme should be the compilation of a Red Data Book of the Baltic Region, which would include lists of all threatened species of vascular plants and vertebrates (excluding fish) together with monographs of selected species. Fish, invertebrates, lichens, mosses, fungi and algae will be included at a later stage of the programme.

This first part of the Red Data Book of the Baltic Region contains lists of threatened species in all participating countries and administrative areas around the Baltic Sea. It will be followed by part 2 which will include species monographs of about 100 vascular plants and 50 vertebrates known to be threatened and of conservation interest across the region.

Without the joint efforts of all the various experts and participating departments and authorities in the region, the publication of this volume could not have been possible. Furthermore, this cooperation has promoted the exchange of conservation information between countries. Hopefully, this first volume will help to promote further conservation developments within the context of this joint programme for the benefit of threatened species in the Baltic region.

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The Baltic region

In this red data book, the Baltic region is defined as the geographical area covered by the Åland region of Finland, Finland (excl. Åland), the Leningrad region of Russia, Estonia, Latvia, Lithuania, the Kaliningrad region of Russia, Poland, the States of Mecklenburg-Vorpommern and Schleswig-Holstein of Germany, Denmark and Sweden (cf. fig. 1). Note that the administrative area (county) where St. Petersburg is the seat of the county government, is still officially called the Leningrad region. Hence, the lists presented here comprise both national red lists and regional lists (i.e. lists of administrative parts of countries) and the geographical area covered reflects political and administrative boundaries. In conservation terms, these are useful delimitors since it is often at these levels that conservation programmes, especially legislative ones, are enforced. At the same time, however, it has also been possible to retain the biogeographic identity of the region; see fig. 1, which shows a relatively high correlation between the delimitation of the Baltic region as defined here and the boundaries of the drainage basin of the Baltic Sea.

The possibility of excluding taxa whose distribution is only marginal to the Baltic region was discussed. However, since we do not use a strict biogeographical definition of the region, marginal taxa have been included (e.g. alpine taxa in Poland, Sweden and Finland and Atlantic species in Denmark and Schleswig-Holstein). It should also be pointed out the certain value of presenting complete lists that otherwise might be difficult to obtain. The tables of Chapters 9 and 10 indicate those taxa of conservation concern across the region and those taxa of conservation importance to a few areas because of their very limited distribution. Part 2 of the Red Data Book of the Baltic Region will focus on taxa threatened across large parts of the Baltic region, taxa which are both threatened and endemic in the region, and taxa threatened in the region and the majority of whose distribution occurs in the region.

Fig. 1 (opposite page). The countries and administrative areas within countries covered by this publication. The drainage basin of the Baltic Sea is also shown. The administrative area (county) where St. Petersburg is the seat of the county government is still officially called the Leningrad region.



Red lists and threat categories

The lists of species represent an integration of species included in separate national and regional lists (see References). IUCN categories and others used in the various lists (see table 1) have, for uniformity and simplicity, been converted to the categories 0, 1, 2, 3, 4 and ? (see below). This has involved some compromising; for instance, the category "*gefährdet*" (Mecklenburg-Vorpommern and Schleswig-Holstein) has been converted to the category "Care demanding" (4) in this volume, although this, together with the category "*stark gefährdet*", belongs to some degree to the "Vulnerable" category.

Categories in the national/regional red lists have not been included where they do not correspond directly to the categories used in this project. This is the case for the Danish category for species that are not threatened within the country, but for which Denmark has a special responsibility (A: "*Særligt ansvarskrævende*"). Furthermore, the category "Out of danger" is used in some red lists, but is not included here.

The category definitions using the symbols 0, 1, 2, 3 and ? follow essentially the internationally accepted IUCN Red Data Book category definitions (Threatened Plants Committee Secretariat 1976). However, since the IUCN categories are for global conditions, some modifications have been made to make the definitions applicable at a regional level. The category "Care demanding" (4) as used in some national lists is also included here. This category defines those taxa which, generally, have decreased dramatically, but are still common enough to have an important role as indicators of negative effects on certain habitats and of negative tendencies in the landscape. Note that this category system is not strictly linear; the category "Rare" includes taxa not under a particular threat, but at risk since their total populations are small. The categories "Rare" and "Vulnerable" represent the state of species in different situations, both of which can lead to the "Endangered" category.

Definitions of the categories are as follows:

- | | |
|-------------------------------|---|
| 0 Extinct or probably extinct | Taxa no longer known to exist in the wild within the area of concern after repeated searches. (Only those taxa which have disappeared since 1850 have been considered in this volume). |
| 1 Endangered | Taxa at risk of vanishing and whose survival within the area of concern is unlikely if the casual factors continue operating. Included are taxa whose numbers have been reduced to a critical level or whose habitats have been so drastically reduced that they are deemed to be in immediate danger of vanishing. |

2 Vulnerable	Taxa believed likely to move into the Endangered category (1) in the near future if the casual factors continue operating. Included are taxa for which most or all of their populations within the area of concern are decreasing because of overexploitation, extensive destruction of habitat or other environmental disturbance; taxa with populations that have been seriously depleted and whose ultimate security within the area is not yet assured; and taxa with populations that are still abundant but are under threat from serious adverse factors within all the area of concern.
3 Rare	Taxa that are not at present Endangered or Vulnerable but are at risk because of small total populations within the area of concern. These taxa are usually localized within restricted geographical areas or habitats or are thinly scattered over a more extensive range.
4 Care demanding	Taxa which do not belong to the categories 1–3, but still require attention. Included are taxa which are relatively common but which have decreased dramatically and may move into the Vulnerable category (2) if the causal factors continue operating.
? Indeterminate	Taxa known to be Extinct (0), Endangered (1), Vulnerable (2) or Rare (3) but where there is not enough information to say which of the categories is appropriate.

If a taxon is not represented in a particular national or regional list, information about its presence (+) or absence (–) there is given. In the latter case, the taxon is not known from the geographical unit in question, or, *nota bene*, definite information about its occurrence has not been confirmed within this project. Also when a taxon became extinct earlier than 1850 in a certain country or area, it is considered absent (–) in the list.

In the case of vascular plants, an additional symbol (a) is used to indicate alien or naturalized taxa that have recently arrived, generally by man (anthropogenic taxa). These taxa are not considered worthy of inclusion in the red list regardless of their actual status but deserve a mention for the sake of completeness. The definition of a “recently arrived” alien or naturalized taxon varies greatly from one country and/or region to the next. Generally though, anthropogenic taxa that have been well established within an area for “a long time” can be considered for inclusion in the red list of that area. In Germany, for example, anthropogenic taxa are documented in their red lists. In Denmark, on the other hand, only “truly native” species are included in red list; anthropogenic taxa are not considered at all. The use of the symbol (a) hopefully makes the list less confusing in this aspect than it would be with only the symbols (+) and (–) beside the threat category numbers. Most countries/regions that have participated in the present volume have, in general, excluded very casual aliens which do not reproduce regularly within the country/region (symbol ‘+–’).

The inclusion of apomictic species, for instance *Alchemilla*, *Hieracium*, *Rubus* and *Taraxacum*, varies considerably between the separate source lists. Their inclusion seems to depend mainly on

how well known these groups are in the separate countries/regions. For example, in Mecklenburg-Vorpommern and Schleswig-Holstein, there are special lists for *Rubus fruticosus* agg. (Henker 1992, Walsemann 1990). In this case, these taxa have been included here, with the exclusion of a small number of taxa which are very locally distributed ("Lokalsippen") or entites which have yet to be validly published in the scientific literature (but having preliminary names).

For birds, only regular breeding species are generally considered for national/regional red lists. This means that visitor species are not considered. There are many bird species that breed outside the Baltic region, mainly in Russia, and that migrate through the region.

There are some minor irregularities in the compiled list of vascular plants, and it is sometimes

Table 1. Comparision of classification schemes for threatened species, showing how national/regional categories have been converted to the categories used in this volume. Some countries have also used the category "Out of danger" but its inclusion is not appropriate in the present work. For Latvia, plant taxa in the national category "Commercially threatened" have now been placed in the category "Care demanding". See also the text of this chapter

Baltic Red Data Book	Åland	Finland	Leningrad region	Estonia	Latvia	Lithuania
0 Extinct or probably extinct	0 Försvunna	H Hävinneet	0 (Ex) Po-vidi-momu iščez-nuvšie	0 Hävinud	0 Izzudušās	0 Išnykusios ar galimai išnykusios
1 Endangered	1 Akut hotade	E Erittäin uhanalaiset	1 (E) Naxodjaš-čiesja pod ugrozoj iščeznovenija	1 Kaduvad	1 Izzūdošās	1 Išnykstančios
2 Vulnerable	2 Sårbara	V Vaaran tuneet	2 (V) Ujazvimyc	2 Ohualtid	2 Dilstošās	2 Sparčiai nykstančios
3 Rare	3 Sällsynta	Sh Harvinaiset	3 (R) Redkie	3 Haruldased	3 Retās	3 Retos
4 Care de-manding	4 Hänsyns-krävande	St Taantuneet	(Trebujuščie vnimanija)	(Tähelepanu vajavad)	(Rūpes pra-sošās.)	—
? Indeterminate	(Obestāmd status)	Sp Puutteelli-sesti tunnetut	4 (I) S Neopre-delennym sta-tusom	? Määratle-mata	4 Nenoteiktās	4 Retos, nepa-kankamai ištirtos

difficult to make comparisons between the separate countries/areas concerning the “true” conservation status for an individual taxon. This may be due to different opinions about which taxa are eligible for a red list, to different taxonomic opinions, or simply to a lack of knowledge as to whether a certain taxon, especially at infraspecific level, occurs in an area or not. Different schemes of threat categories and differences in defining and interpreting threat categories may also be factors of significance. The criteria by which taxa (particularly anthropogenic taxa) are eligible for a red list, do not always seem to be quite clear or consistently applied within a certain country/region.

Kaliningrad region	Poland	Mecklenburg-Vorpommern	Schleswig-Holstein	Denmark	Sweden	IUCN
0 Isčeznuvšie (Vymersie)	Ex Wymarke i zaginione	0 Ausgestorben oder verschollen	0 Ausgestorben oder verschollen	Ex Forsvundet	0 Försvunna	Ex Extinct
1 Ugrožaemye (Naxodjas-ciesja pod ugrozaj vymi-ranija)	E Wymierajace	1 Vom Aussterben bedroht	1 Vom Aussterben bedroht	E Akut Truet	1 Akut hotade	E Endangered
2 Ujazvimye	V Naražone	2 Stark gefährdet	2 Stark gefährdet	V Sårbar	2 Sårbara	V Vulnerable
3 Redkie	R Rzadkie	4 Potentiell gefährdet	4 Potentiell gefährdet	R Sjælden	3 Sällsynta	R Rare
(Trebujušcie vnimanija)	—	3 Gefährdet (Schwach gefährdet)	3 Gefährdet	X Særligt hensyns-krævende	4 Hänsyns-krävande	—
S neopredelennym statusom	1 O nieokreślonym zagrożeniu	Gefährdungsgrad nicht angebar	—	—	—	I Indeterminate

Taxonomy and nomenclature

The taxonomies and nomenclatures adopted by the national and regional lists drawn upon, vary considerably, particularly for plants. The adoption of a uniform system was, of course, vital in integrating these separate lists. For vascular plants, this has been done, as far as possible, by using the classification presented in *Flora Europaea* (Tutin *et al.* 1964–1980). Although now in some parts it has become out-dated by more recent research, *Flora Europaea* remains the definitive taxonomic text for Europe and therefore, in the main, is used as the basis for this red data book. Minor digressions from *Flora Europaea* have been included where plants have been discovered and described since its publication or are the result of splitting. For taxa which are not to be found in *Flora Europaea*, the authors' names are given. For synonyms (in brackets) authors' names are not given unless there is an obvious risk of confusion.

The classification and nomenclature of mammals follow Corbet (1978); for birds, Voos (1973, 1977) is used, and for reptiles/amphibians Arnold & Burton (1977). Vernacular names in English are given for the vertebrates, since these are often quite well known even in non English-speaking countries. The same is not true for plants.

Synonyms of some taxa have been put in brackets after the name used in the lists of this book. This has been done when the synonym is used in an individual national or regional red list or when the synonym is widely used in field floras etc. When there is a need for including several synonyms or making special taxonomic comments, a footnote is included at the end of the list. Some widely used generic synonyms are given in the lists, cross-referenced to the name used here.

In some cases there are obvious taxonomic inconsistencies in the compiled list of vascular plants. This might for instance be due to lack of knowledge as to whether a certain subspecies occurs in an area or not, making it necessary to have in the list species *sensu lato* together with one or several subspecies. This explains the gaps in the table. Different taxonomic traditions from one country or area to another, mainly concerning infraspecific classification, might also be the cause of inconsistencies.

Number of threatened taxa within the region

Tables 2–6 show the numbers of taxa in each threat category (as defined here: see page 10 and table 1) within the separate countries/areas. In total, the compiled lists in this volume comprise the following number of taxa: 1700 vascular plants (approximate figure), 72 mammals, 212 birds, 10 reptiles and 17 amphibians. A regional threat category for the Baltic region, as defined here, has not been given.

Making comparisons of the vascular plant data at country or regional level often proved difficult because of discrepancies such as the inclusion or not of apomictic species. In some countries, apomictic species are considered, in others they are not or only in a limited way. The degree to which non-native taxa are considered also varies considerably. In Denmark, for instance, only truly indigenous vascular plant taxa are considered (about 1200 species out of a total of about 2000); this is reflected in the comparatively low number of red-listed taxa for Denmark.

Some red lists include taxa that became extinct before industrialization and in some cases as far back as prehistoric times. The *Extinct* category is used here for taxa that became extinct after 1850: if their extinction is known to precede 1850, they are marked with the symbol (–) in the lists.

Table 2. Number of red-listed vascular plants in separate areas arranged according to threat category. Abbreviations of countries/areas are given on page 25.

	0 Extinct	1 Endan- gered	2 Vulner- able	3 Rare	4 Care de- manding	? Indeter- minate	TOTAL
ÅLA	27	42	39	34	32	—	174
FIN	23	43	57	69	41	6	239
LEN	20	59	85	138	75	1	378
EST	16	47	37	44	5	6	155
LAT	14	90	77	69	25	—	275
LIT	12	57	57	62	—	7	195
KAL	15	66	37	9	—	—	127
POL	40	54	142	146	—	36	418
MEC	107	227	199	37	132	27	729
SCH	101	194	150	45	162	—	652
DEN	30	38	77	123	—	—	268
SWE	34	79	86	142	79	—	420

Table 3. Number of red-listed mammals in separate areas arranged according to threat category. Abbreviations of countries/areas are given on page 25.

	0 Extinct	1 Endan- gered	2 Vulner- able	3 Rare	4 Care de- manding	? Indeter- minate	TOTAL
ÅLA	3	1	2	2	1	0	9
FIN	2	5	2	4	3	—	16
LEN	0	2	2	6	5	0	15
EST	0	4	2	9	—	3	18
LAT	1	5	1	9	—	8	24
LIT	1	1	0	3	—	12	17
KAL	1	2	0	17	0	2	22
POL	1	7	2	23	—	3	36
MEC	6	9	5	8	10	—	38
SCH	6	7	5	0	12	—	30
DEN	0	3	9	4	3	—	19
SWE	2	3	9	4	5	—	23

Table 4. Number of red-listed birds in separate areas arranged according to threat category. Abbreviations of countries/areas are given on page 25.

	0 Extinct	1 Endan- gered	2 Vulner- able	3 Rare	4 Care de- manding	? Indeter- minate	TOTAL
ÅLA	4	5	13	16	13	1	52
FIN	1	8	8	4	13	—	34
LEN	2	22	33	23	28	2	110
EST	2	9	8	16	2	4	41
LAT	4	17	12	38	—	7	78
LIT	5	12	15	20	—	16	68
KAL	15	11	20	28	2	3	79
POL	5	12	19	37	—	7	80
MEC	15	21	19	12	35	—	102
SCH	18	26	15	22	31	—	112
DEN	15	12	7	36	19	—	89
SWE	8	5	14	13	51	—	91

Table 5. Number of red-listed reptiles in separate areas arranged according to threat category. Abbreviations of countries/areas are given on page 25.

	0 Extinct	1 Endan- gered	2 Vulner- able	3 Rare	4 Care de- manding	? Indeter- minate	TOTAL
ÅLA	1	1	0	0	0	0	2
FIN	0	0	0	0	0	—	0
LEN	0	2	0	0	1	0	3
EST	0	0	0	1	—	0	1
LAT	0	2	0	0	—	1	3
LIT	0	2	0	0	—	0	2
KAL	0	1	0	0	0	0	1
POL	0	2	0	1	—	1	4
MEC	0	2	2	0	3	—	7
SCH	1	1	3	0	1	—	6
DEN	2	0	0	0	2	—	4
SWE	0	0	0	0	4	—	4

Table 6. Number of red-listed amphibians in separate areas arranged according to threat category. Abbreviations of countries/areas are given on page 25.

	0 Extinct	1 Endan- gered	2 Vulner- able	3 Rare	4 Care de- manding	? Indeter- minate	TOTAL
ÅLA	0	1	0	0	0	0	1
FIN	0	0	1	0	0	—	1
LEN	0	1	1	2	0	0	4
EST	0	2	0	3	—	—	5
LAT	0	2	2	1	—	1	6
LIT	0	0	0	0	—	2	2
KAL	0	0	0	3	2	0	5
POL	0	0	1	2	—	0	3
MEC	0	1	6	0	7	—	14
SCH	0	3	4	0	3	—	10
DEN	0	1	3	1	9	—	14
SWE	0	1	5	0	3	—	9

Extinct and endangered taxa

Taxa covered in this volume have not been assigned threat categories for the region as a whole. Some taxa, though, are obviously or probably extinct from the region (as delimited here), and others seem to be more or less close to extinction. Polymorphous, apomictic groups of *Alchemilla*, *Rubus*, *Taraxacum* and *Hieracium* are not included below. Abbreviations (as on page 21) of the countries and administrative areas concerned are given in brackets.

Many of the extinct and endangered taxa are quite marginal to our region, occurring for example mainly in Southern or Central Europe. Threatened taxa of a more central interest to our region, or of common interest for most of the countries and areas involved, will be focused on in part 2 of the Red Data Book of the Baltic Region (for example, the endemic plant *Alisma wahlenbergii* and the White-tailed eagle (*Haliaeetus albicilla*) which is on all the separate red lists).

Vascular plants

According to the list of Chapter 9, the following taxa are extinct from the region as a whole:

<i>Carex secalina</i> (POL)	<i>Myosotis stenophylla</i> (POL)
<i>Cicendia filiformis</i> (MEC, SCH, DEN)	<i>Ophrys apifera</i> (SCH)
<i>Cochlearia polonica</i> (POL)	<i>Orchis tridentata</i> (POL)
<i>Cyperus michelianus</i> (POL)	<i>Pedicularis kaufmanii</i> (LAT, LIT)
<i>Dianthus collinus</i> (POL)	<i>Peucedanum officinale</i> (MEC)
<i>Dianthus nitidus</i> (POL)	<i>Primula halleri</i> (POL)
<i>Euphrasia scottica</i> (SWE)	<i>Rhinanthus serotinus</i> ssp. <i>arenarius</i> (MEC)
<i>Gladiolus felicitis</i> (POL)	<i>Scirpus supinus</i> (POL, MEC)
<i>Inula germanica</i> (POL)	<i>Scrophularia auriculata</i> (EST)
<i>Iris graminea</i> (POL)	<i>Selaginella helvetica</i> (POL)
<i>Jurinea cyanoides</i> (MEC)	<i>Stellaria humifusa</i> (FIN)
<i>Ludwigia palustris</i> (POL, SCH)	<i>Taraxacum pieninicum</i> (POL)
<i>Marsilea quadrifolia</i> (POL)	

Among the vascular plants, the following are quite obvious to be endangered for the region as a whole. These taxa occur today in not more than two countries/administrative areas, where they are endangered (according to Chapter 9). Abbreviations of countries/areas where a taxon is endangered or extinct are given in brackets:

<i>Aconitum tauricum</i> ssp. <i>nanum</i> (POL)	<i>Elymus caninus</i> var. <i>behmii</i> (SWE)
<i>Apium nodiflorum</i> (POL)	<i>Epipactis microphylla</i> (POL)
<i>Caldesia parnassifolia</i> (LIT, POL, MEC)	<i>Gladiolus palustris</i> (LIT, KAL, POL)
<i>Ceterach officinarum</i> (SWE)	<i>Iris aphylla</i> (POL)

<i>Lactuca quercina</i> (SWE)	<i>Salix pyrolifolia</i> (FIN)
<i>Lindernia procumbens</i> (POL)	<i>Saxifraga moschata</i> ssp. <i>basaltica</i> (POL)
<i>Oenanthe fluviatilis</i> (DEN)	<i>Schoenoplectus duvalii</i> (SCH)
<i>Oenanthe conioides</i> (SCH)	<i>Scirpus mucronatus</i> (POL)
<i>Orchis coriophora</i> (EST, POL, MEC)	<i>Scutellaria minor</i> (SWE)
<i>Orobanche arenaria</i> (POL, MEC)	<i>Serratula lycopifolia</i> (POL)
<i>Orobanche loricata</i> (POL, MEC, DEN, SWE)	<i>Sesleria bielzii</i> (POL)
<i>Pinguicula vulgaris</i> ssp. <i>bicolor</i> (POL)	<i>Spiranthes spiralis</i> (POL, MEC, SCH, DEN)
<i>Platanthera obtusata</i> (SWE)	<i>Thymus praecox</i> (POL)
<i>Quercus pubescens</i> (POL)	<i>Veronica bellidioides</i> (POL)
<i>Ranunculus ophioglossifolius</i> (SWE)	
<i>Ranunculus polyanthemoides</i> (SCH)	

It is not always possible to find out from the list in Chapter 9 whether or not a taxon is extinct or endangered in the region as a whole. Many field weeds and other anthropogenic plants are not considered at all for some red lists, and there is sometimes a lack of knowledge about their current status. However, some of these taxa have probably decreased strongly in most countries/areas where they occur, for example:

<i>Agrostemma githago</i>	<i>Lolium remotum</i>
<i>Bromus secalinus</i>	<i>Rhinanthus serotinus</i> ssp. <i>apterus</i>
<i>Camelina alyssum</i>	<i>Spergula arvensis</i> ssp. <i>linicola</i>
<i>Cuscuta epilinum</i>	

Vertebrates

The following vertebrates are extinct from the region according to Chapter 10:

<i>Fratercula arctica</i> Puffin (SWE)	<i>Porzana pusilla</i> Baillon's crane (POL)
<i>Otis tarda</i> Great bustard (POL, MEC, SCH, DEN, SWE)	<i>Tetrax tetrax</i> Little bustard (POL)
<i>Platalea leucorodia</i> Spoonbill (DEN)	

According to the lists of Chapter 10, the following vertebrates are endangered (as defined for vascular plants above) for the region as a whole:

<i>Anser erythropus</i> Lesser white-fronted goose (FIN, SWE)
<i>Burhinus oedicephalus</i> Stone-curlew (KAL, POL, MEC, SCH)
<i>Elaphe longissima</i> Aesculapian snake (POL, DEN)
<i>Rhinolophus hipposideros</i> Lesser horseshoe bat (POL)
<i>Gelochelidon nilotica</i> Gull-billed tern (MEC, SCH, DEN)
<i>Marmota marmota</i> Alpine marmot (POL)
<i>Myotis emarginatus</i> Notch-eared bat (POL)
<i>Phoca hispida saimensis</i> Saimen ringed seal (FIN)
<i>Felis silvestris</i> European wild cat (POL)

Endemic taxa

Obviously there are not as many endemic taxa in northern Europe as there are in most areas further south (especially not "old" endemics at the taxonomic level of species). The cause of this is commonly attributed to the Pleistocene glaciation, which has meant that the flora and fauna is not only depauperate in terms of species numbers but perhaps also relatively young in evolutionary terms. Consequently, the size of the endemic flora and fauna is also small. Within Fennoscandia and the Baltic region, there are three main areas of endemism, namely the Scandinavian mountains (the Scandes), the sea shores of the Baltic Sea and the limestone islands in the Baltic Sea.

The history of the flora and fauna in our part of Europe is to some extent a rather controversial matter with partly contradictory theories particularly in respect of the origin and evolutionary history of endemic taxa (cf. Borgen 1987, Dahl 1989 a, b, & Jonsell 1988, 1990). For example, there has been a great deal of debate about the alpine plants of Fennoscandia. Very briefly, there is on the one hand the *tabula rasa* theory, which says that higher plants and animals became extinct here during glacial times and that the species we find today are almost exclusively immigrants. On the other hand, there is the possibility that some taxa survived in un-glaciated refuges along the Atlantic coast, namely on peaks above the ice surface or on shores, and spread from there to uncovered areas with suitable conditions (the Nunatak-hypothesis).

The degree to which post-glacial evolution has produced endemics is also a matter of discussion. It seems likely, however, that the post-glacial period has been too short for the evolution of taxa deserving recognition at the level of species. Some plant species, though, probably evolved by hybridisation in post-glacial times. Certain other post-glacially formed entities have been given the rank of variety, subspecies or sometimes even species. However, the degree to which different species or groups of species have been thoroughly investigated taxonomically varies considerably.

The list below does not claim to be a complete catalogue of endemic taxa in the region, neither does it claim to present a complete picture of their distribution. It is merely an attempt to list some entities that have been given taxonomic rank and that are endemic, or probably endemic, to the region as defined in Chapter 2. Taxa marginal to, or existing outside, the Baltic region in a stricter biogeographical sense (the *Baltic Sea* region: the sea, the coasts and adjacent areas) are included. Some seashore and lowland plants that also, to a small extent, occur in neighbouring areas have been included here (the name of the neighbouring country/region is put in brackets). Polymorphous, apomictic groups of *Alchemilla*, *Rubus*, *Taraxacum* and *Hieracium* are not included. The abbreviations for countries and administrative areas are those given in the tables of Chapters 9 and 10.

Vascular plants

<i>Agrostis gigantea</i> Roth var. <i>glaucescens</i> Widén	ÅLA, FIN, LEN, SWE
<i>Agrostis stolonifera</i> L. var. <i>bottnica</i> Hyl.	FIN, SWE
<i>Alisma wahlenbergii</i> (Holmberg) Juz.	FIN, LEN SWE
<i>Allium schoenoprasum</i> L. var. <i>alvarense</i> Hyl.	SWE
<i>Anthyllis vulneraria</i> L. ssp. <i>danica</i> Lampinen	DEN
<i>Anthyllis vulneraria</i> L. ssp. <i>fennica</i> Jalas	FIN
<i>Anthyllis vulneraria</i> L. ssp. <i>maritima</i> (Schweigger) Corbiere	LEN, EST, LAT, LIT, KAL, POL, MEC, DEN, SWE
<i>Arabidopsis suecica</i> (Fries) Norrlin	FIN, LEN, EST, SWE, (E. Norway, N.W. Russia)
<i>Arenaria gothica</i> Fr. var. <i>gothica</i>	SWE
<i>Artemisia campestris</i> L. ssp. <i>bottnica</i> A. L. Lundstr.	FIN, SWE
<i>Artemisia maritima</i> L. ssp. <i>humifusa</i> (Hartman) K. Persson	EST, SWE
<i>Artemisia oelandica</i> (Besser) Komarov	SWE
<i>Artemisia vulgaris</i> L. var. <i>coarctata</i> Fors.	FIN, SWE
<i>Atriplex prostrata</i> Boucher ex DC. ssp. <i>calotheca</i> (Rafn) M. Gust.	ÅLA, FIN, LEN, EST, LAT, LIT, KAL, POL, MEC, SCH, DEN, SWE, (Norway)
<i>Cakile maritima</i> Scop. ssp. <i>ballica</i> (Rouy & Fouc.) P. W. Ball	ÅLA, FIN, LEN, EST, LAT, LIT, KAL, POL, MEC, SCH, DEN, SWE, (S. Norway)
<i>Carex bergrothii</i> Palmgr.	ÅLA, FIN, PET, EST, LAT, SWE, (Norway, N.W. Russia)
<i>Carex jemtlandica</i> (Palmgr.) Palmgr.	FIN, SWE, (Norway, N.W. Russia)
<i>Carex nigra</i> (L.) Reichenb. var. <i>recta</i> (Fleisch.) Hyl.	FIN, SWE
<i>Centaurium erythraea</i> Rafn var. <i>capitatum</i> (Willd.) Melderis	SCH, DEN, SWE
<i>Cochlearia polonica</i> Fröhlich	POL
<i>Corydalis gotlandica</i> Lidén	SWE
<i>Crepis tectorum</i> L. ssp. <i>pumila</i> (Liljeb.) Sterner	SWE
<i>Cuscuta europaea</i> L. var. <i>halophyta</i> (Fr.) Hartm.	ÅLA, FIN, SWE, (Norway)
<i>Deschampsia bottnica</i> Wahlenb.	ÅLA, FIN, SWE
<i>Dianthus arenarius</i> L. ssp. <i>arenarius</i>	LEN, EST, SWE
<i>Eleocharis palustris</i> (L.) R. & S. var. <i>lindbergii</i> Strandhede	FIN, SWE
<i>Eleocharis uniglumis</i> (Link) Schultes var. <i>fennica</i> (Palla) Hyl.	FIN, SWE
<i>Eleocharis uniglumis</i> (Link) Schultes ssp. <i>sternerii</i> Strandhede	SWE
<i>Elymus caninus</i> (L.) L. var. <i>behmii</i> (Meld.) Jaaska	SWE
<i>Erysimum pieninicum</i> (Zapał.) Pawł.	POL
<i>Euphrasia arctica</i> Lange ex Rostrup ssp. <i>minor</i> Yeo	DEN
<i>Euphrasia bottnica</i> Kihlman	FIN, SWE
<i>Euphrasia dunensis</i> Wiinst.	DEN
<i>Euphrasia salisburgensis</i> Funck. var. <i>schoenicola</i> Yeo	SWE

<i>Festuca oelandica</i> (Hackel) K. Richter (<i>F. rubra</i> L. var. <i>oleandica</i> Hackel)	SWE
<i>Galium cracowiense</i> Ehrend.	POL
<i>Galium oelandicum</i> (Sternér & Hyl.) Ehrend.	SWE
<i>Galium palustre</i> L. var. <i>balticum</i> Apélgren	ÅLA, FIN, SWE
<i>Gymnigritella runei</i> Teppner & Klein	SWE
<i>Helianthemum oelandicum</i> (L.) DC. ssp. <i>oelandicum</i>	SWE
<i>Hierochloë odorata</i> (L.) Beauv. ssp. <i>baltica</i> G. Weim.	FIN, LEN, EST, LAT, SWE
<i>Juncus articulatus</i> L. var. <i>hylandri</i> Hähmet-Ahti	ÅLA, FIN, SWE
<i>Linaria loeselii</i> Schweigger	LAT, LIT, KAL, POL
<i>Lotus corniculatus</i> L. var. <i>maritimus</i> Rupr.	
<i>Mentha aquatica</i> L. var. <i>litoralis</i> (Hartman) C. A. West.	ÅLA, FIN, SWE
<i>Myosotis laxa</i> Lehm. ssp. <i>baltica</i> (Sam.) Nordh.	ÅLA, FIN, LEN, EST, LAT, POL, SWE, (Norway?)
<i>Myosotis scorpioides</i> L. ssp. <i>praecox</i> (Hülph.) Jonsell	POL, MEC, SWE
<i>Odontites litoralis</i> Fries var. <i>fennica</i> Marklund	FIN, LEN
<i>Pulsatilla vulgaris</i> Miller ssp. <i>gotlandica</i> (K. Joh.) Zamels & Paegle	SWE
<i>Rhinanthus osiliensis</i> (Ronniger & Saarson) Vassilcz.	EST
<i>Rhinanthus serotinus</i> (Schönheit) Oborny ssp. <i>arenarius</i> U. Schneid.	MEC
<i>Rhinanthus serotinus</i> (Schönheit) Oborny ssp. <i>halophilus</i> (U. Schneid.) Hartl	MEC, DEN
<i>Saussurea alpina</i> (L.) DC. ssp. <i>esthonica</i> (Baer ex Rupr.) Kupffer	PET, EST, LAT
<i>Saxifraga osloënsis</i> Knaben	ÅLA(?), SWE, (Norway)
<i>Senecio jacobaea</i> L.ssp. <i>gotlandicus</i> (Neuman) Sternér	SWE
<i>Silene vulgaris</i> (Moench) Garcke ssp. <i>maritima</i> (With.) A. & D. Löve var. <i>petræa</i> (Fries)	SWE, DEN
<i>Silene vulgaris</i> (Moench) Garcke var. <i>littoralis</i> (Ruprecht) Jalas	FIN, LEN
<i>Sonchus arvensis</i> L. var. <i>maritimus</i> Wahlenb.	ÅLA, FIN, SWE
<i>Sorbus intermedia</i> (Ehrh.) Pers.	ÅLA, FIN, EST, LAT, POL, SCH, DEN, SWE
<i>Sorbus teodori</i> Liljefors	ÅLA, SWE, (Norway?)
<i>Thalictrum simplex</i> L. ssp. <i>tenuifolium</i> (Hartm.) Sternér	SWE
<i>Tragopogon floccosus</i> Waldst. & Kit. ssp. <i>heterospermus</i> (Schweigger) C. Regel	LAT, LIT, KAL, POL
<i>Valeriana salina</i> Pleijel	ÅLA, FIN, SWE, (Norway)
<i>Veronica longifolia</i> L. var. <i>maritima</i> (L.) Hartm.	ÅLA, FIN, SWE

Vertebrates (excl. fish)

<i>Natrix natrix gotlandica</i>	SWE
<i>Phoca hispida botnica</i>	ÅLA, FIN, LEN, EST, LAT, KAL, SWE
<i>Phoca hispida saimensis</i>	FIN
<i>Phoca hispida ladogensis</i>	LEN

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List of vascular plants

Abbreviations of geographical units

(See also p. 8 and 9)

ÅLA	<i>The Åland region of Finland</i>
FIN	<i>Finland excluding Åland</i>
LEN	<i>The Leningrad region of Russia</i>
EST	<i>Estonia</i>
LAT	<i>Latvia</i>
LIT	<i>Lithuania</i>
KAL	<i>The Kaliningrad region of Russia</i>
POL	<i>Poland</i>
MEC	<i>The state of Mecklenburg-Vorpommern of Germany</i>
SCH	<i>The state of Schleswig-Holstein of Germany</i>
DEN	<i>Denmark</i>
SWE	<i>Sweden</i>

Threat categories

(See also Chapter 3)

0	<i>Extinct (or probably extinct)</i>
1	<i>Endangered</i>
2	<i>Vulnerable</i>
3	<i>Rare</i>
4	<i>Care demanding</i>
?	<i>Indeterminate</i>

Other symbols

(See also p. 11)

+	<i>Present (occurring, not threatened)</i>
—	<i>Absent</i>
a	<i>Alien/anthropogenic: More or less recent incomer, not considered for, or eligible for, the red list regardless of conservation status.</i>

	Å	L	A	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
Acer campestre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	1		
Achillea asplenifolia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
A. collina	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-		
A. nobilis	-	-	a	a	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	a		
A. ptarmica	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	+		
A. salicifolia (A. cartilaginea)	-	-	a	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-		
A. stricta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
Acinos arvensis (Calamintha acinos)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+		
Aconitum lasiocarpum REICHENB.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
A. lasiostomum	-	-	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
A. napellus	-	-	-	a	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	2	a	1	-	-	-	-	-	-	-	-		
A. septentrionale (A. lycoctonum)	-	-	3	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+		
A. tauricum ssp. nanum (BAUMG.) GAYER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
A. variegatum	-	-	-	a	-	-	-	-	-	-	-	-	-	-	-	-	-	0	+	-	-	-	-	-	-	-	-	-	-	-	-		
A. vulparia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
Actaea erythrocarpa	-	-	+	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
A. spicata	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3	+	+	+	+	+	+	+	+	+		
Adenophora liliifolia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-		
Adonis aestivalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	1	-	-	-	-	-	-	-	-	-	-	-	-		
A. flammea	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-		
A. vernalis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	2		
Aethusa cynapium ssp. agrestis	4	+	-	-	-	-	+	+	+	+	+	+	+	+	+	+	a	+	+	+	+	+	+	+	+	+	+	+	+	+	1		
Agrimonia pilosa	-	-	1	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-		
A. procera	4	1	-	-	-	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4		
Agropyron; see Elymus																																	
Agrostemma githago	0	0	0	a	a	1	a	a	a	2	1	a	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Agrostis clavata	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
A. vinealis (A. stricta) ¹	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+		
Aira caryophyllea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	+	4	4	4	+	+	+	+	+	+	+	+	+		
A. praecox	2	-	-	-	-	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Ajuga chamaepitys ssp. chia (A. chia)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
A. genevensis	-	-	a	1	a	3	+	+	+	+	+	+	+	+	+	+	+	+	+	4	2	-	0	-	0	+	+	+	+	+	0		
A. pyramidalis	+	+	+	1	1	1	2	2	+	0	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
A. reptans	a	a	+	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3		
Alchemilla acutiloba	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	4	+	+	+	+	+	+	+	+	+	+		
A. cymatophylla	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	3		
A. filicaulis ssp. filicaulis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	3	3	+	+	+	+	+	+	+	+	+		
A. glabra NEYGENE.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	4	+	+	+	+	+	+	+	+	+	+		
A. glaucescens	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	+	+	+	+	+	+	+	+	+	+	+		
A. glomerulans	-	-	+	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	0	+		
Å L A F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E																																	

Å L A F I N L E N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	ÅLA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>A. gracilis</i> OPIZ (<i>A. micans</i>)	+	+	+	+	+	+	+	+	2	4	+	+
<i>A. heptagona</i>	-	-	+	+	+	+	-	-	-	-	-	3
<i>A. hirsuticaulis</i>	-	4	+	+	+	+	-	-	-	-	-	-
<i>A. monticola</i>	+	+	+	+	+	+	+	+	1	4	+	+
<i>A. obtusa</i>	+	+	+	+	+	-	-	+	-	-	-	3
<i>A. oxydonta</i>	-	-	-	-	-	-	-	-	-	-	-	3
<i>A. propinqua</i>	-	?	+	+	+	+	+	+	-	3	-	3
<i>A. subcrenata</i>	+	+	+	+	+	+	+	+	1	3	+	+
<i>A. xanthochlora</i>	-	a	+	a	+	+	-	+	1	4	+	3
<i>Aldrovanda vesiculosa</i>	-	-	1	-	-	0	-	2	-	-	-	-
<i>Alisma gramineum</i>	-	-	4	+	1	+	-	3	1	1	0	0
<i>A. lanceolatum</i>	-	-	-	0	1	3	-	+	1	1	3	4
<i>A. wahlenbergii</i>	-	4	1	-	-	-	-	-	-	-	-	1
<i>Allium angulosum</i>	-	-	3	a	a	1	+	+	2	a	-	-
<i>A. carinatum ssp. carinatum</i>	-	-	-	-	-	-	-	?	+	1	1	2
<i>A. lineare (incl. A. strictum)</i>	-	-	-	-	-	-	-	0	-	-	-	2
<i>A. schoenoprasum var. schoenoprasum</i>	+	+	3	+	3	+	+	+	+	1	3	+
<i>A. schoenoprasum var. sibiricum</i> (L.) HARTM.	-	3	-	+	+	-	-	3	-	-	-	-
<i>A. scorodoprasum ssp. scorodoprasum</i>	+	+	-	+	+	2	+	?	+	4	+	+
<i>A. senescens</i> (<i>A. montanum</i> F. W. SCHMIDT)	-	-	-	-	-	+	-	+	1	1	0	+
<i>A. ursinum</i>	3	3	-	+	3	2	+	+	+	3	+	+
<i>A. vineale (s. lat.)</i>	+	2	-	2	2	3	+	+	+	4	+	+
<i>A. vineale var. purpureum</i> (<i>A. kochii</i>)	-	-	-	-	-	-	-	-	1	-	+	+
<i>Alopecurus aequalis</i>	+	+	+	+	+	+	+	+	+	4	+	+
<i>A. arundinaceus</i>	+	+	3	+	+	?	-	+	1	-	3	+
<i>A. myosuroides</i>	-	a	a	a	a	a	a	+	4	+	a	2
<i>A. pratensis ssp. pseudonigricans</i>	-	-	-	-	-	-	-	-	?	-	-	-
<i>Althaea officinalis</i>	-	-	-	-	a	-	-	+	2	1	2	a
<i>Alyssum alyssoides</i> (<i>A. calycinum</i>)	-	a	a	a	a	+	+	+	-	1	a	+
<i>A. montanum ssp. gmelinii</i> (<i>A. gmelinii</i>)	-	-	-	2	3	2	-	+	-	-	-	-
<i>Ammocalamagrostis baltica</i> (<i>Calamophila baltica</i>)	-	+	-	+	+	+	1	+	+	+	+	+
<i>Ammophila arenaria</i>	-	3	2	+	+	+	3	+	+	+	+	+
<i>Anacamptis pyramidalis</i>	-	-	-	2	-	-	-	0	0	-	1	3
<i>Anagallis minima</i> (<i>Centunculus minimus</i>)	-	2	2	+	1	1	a	+	1	1	3	4
<i>Andromeda polifolia</i>	+	+	+	+	+	+	+	+	4	4	+	+
<i>Androsace filiformis</i>	-	a	+	-	2	3	-	-	-	-	-	-
<i>A. obtusifolia</i>	-	-	-	-	-	-	-	3	-	-	-	-
<i>A. septentrionalis</i>	1	2	4	+	+	+	+	+	0	-	a	+
<i>Anemone apennina</i> L. <i>var. pallida</i> LANGE	-	-	-	-	-	-	-	-	-	-	3	-
<i>A. ranunculoides ssp. wockeana</i>	-	-	-	-	-	-	-	-	?	-	-	-
<i>A. sylvestris</i>	a	a	1	+	4	+	0	+	0	-	-	+
<i>A. trifolia</i>	-	3	-	-	-	-	-	-	-	-	-	-

ÅLA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

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	ÅLA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Angelica palustris</i>	-	-	-	+	1	-	-	1	0	-	-	-
<i>A. sylvestris</i>	+	+	+	+	+	+	+	+	4	+	+	+
<i>Anisantha</i> ; see <i>Bromus</i>												
<i>Antennaria dioica</i>	+	+	+	+	+	+	+	+	1	2	+	+
<i>A. nordhageniana</i>	-	3	-	-	-	-	-	-	-	-	-	-
<i>A. porsildii</i>	-	3	-	-	-	-	-	-	-	-	-	+
<i>A. villifera</i> (<i>A. lanata</i>)	-	3	-	-	-	-	-	-	-	-	-	+
<i>Anthemis arvensis</i>	2	+	+	+	+	a	a	+	+	+	a	+
<i>A. cotula</i>	-	?	a	a	a	a	a	a	+	2	a	1
<i>A. tinctoria</i>	+	+	4	+	+	+	+	+	+	2	a	+
<i>Anthericum liliago</i>	-	-	-	-	-	-	-	3	1	1	2	3
<i>A. ramosum</i>	-	-	-	-	-	+	1	+	1	1	2	+
<i>Anthoxanthum aristatum</i> (<i>A. puelii</i>)	-	-	-	-	-	a	-	a	2	3	a	a
<i>A. odoratum</i>	+	+	+	+	+	+	+	+	4	+	+	+
<i>Anthriscus caucalis</i>	-	-	-	-	-	-	-	a	4	2	a	2
<i>A. cerefolium</i>	-	-	-	-	-	-	+	a	-	-	a	2
<i>A. nitida</i>	-	-	-	-	3	-	-	+	-	-	-	-
<i>Anthyllis vulneraria</i> s. lat.	+	+	+	+	+	+	+	+	+	2	+	+
<i>A. vulneraria</i> var. <i>coccinea</i> (<i>A. coccinea</i>)	-	-	4	+	+	-	-	-	-	-	+	+
<i>A. vulneraria</i> ssp. <i>lapponica</i>	-	3	-	-	-	-	-	-	-	-	-	+
<i>A. vulneraria</i> ssp. <i>maritima</i> (<i>A. maritima</i>)	-	-	4	+	+	+	1	+	1		+	+
<i>A. vulneraria</i> ssp. <i>polyphylla</i> (<i>A. polyphylla</i>)	-	2	-	+	+	+	+	+	+		+	a
<i>A. vulneraria</i> ssp. <i>vulneraria</i>	+	+	+	+	+	+	+	+	4		+	+
<i>Aphanes arvensis</i>	-	a	-	-	a	0	+	+	+	+	a	+
<i>A. microcarpa</i> (<i>A. inexpectata</i>) ²	-	-	-	-	-	-	-	3	2	2	a	4
<i>Apium graveolens</i>	-	-	-	-	-	-	-	-	1	1	3	1
<i>A. inundatum</i>	-	-	-	-	-	-	-	0	0	2	+	3
<i>A. nodiflorum</i>	-	-	-	-	-	-	-	1	-	-	-	-
<i>A. repens</i>	-	-	-	-	-	-	-	2	2	1	0	-
<i>Aquilegia vulgaris</i>	+	+	+	+	+	+	+	+	3	+	3	+
<i>Arabis auriculata</i>	-	-	-	-	-	-	-	2	-	-	-	-
<i>A. glabra</i> (<i>Turritis glabra</i>)	+	+	+	+	+	+	+	+	+	4	+	+
<i>A. hirsuta</i>	+	+	3	+	+	+	-	+	2	1	+	+
<i>A. planisiliqua</i> (<i>A. gerardii</i>) ³	-	-	2	+	+	+	+	+	-	-	-	1
<i>Arctagrostis latifolia</i>	-	3	-	-	-	-	-	-	-	-	-	-
<i>Arctium lappa</i>	2	+	+	+	+	+	+	+	+	+	a	+
<i>A. nemorosum</i>	3	2	-	1	1	3	+	+	+	+	+	+
<i>Arctophila fulva</i>	-	1	-	-	-	-	-	-	-	-	-	3
<i>Arctostaphylos alpina</i>	-	+	-	-	-	-	-	-	-	-	0	+
<i>A. uva-ursi</i>	+	+	4	+	4	+	+	+	0	1	+	+
<i>Arenaria ciliata</i> ssp. <i>pseudofrigida</i> OSTENS & O. C. DAHL	-	3	-	-	-	-	-	-	-	-	-	-
<i>A. humifusa</i>	-	-	-	-	-	-	-	-	-	-	-	3

ÅLA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>A. leptoclados</i>	-	-	-	-	-	-	-	-	+	-	-	a	1
<i>A. norvegica</i>	-	3	-	-	-	-	-	-	-	-	-	-	+
<i>A. procera</i> ssp. <i>glabra</i> (<i>A. stenophylla</i>)	-	-	3	2	2	2	-	+	-	-	-	-	-
<i>A. serpyllifolia</i> var. <i>macrocarpa</i>	-	-	-	-	-	-	-	-	?	-	-	-	+
<i>Aristolochia clematitis</i>	-	-	a	-	-	a	+	+	+	+	3	a	a
<i>Armeria maritima</i> ssp. <i>elongata</i>	-	2	2	+	2	+	+	+	+	4	4	+	+
<i>A. maritima</i> ssp. <i>halleri</i>	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>A. maritima</i> ssp. <i>intermedia</i> (MARSSON) NORDH.	-	2	-	-	-	-	-	+	+	-	-	-	-
<i>A. maritima</i> ssp. <i>maritima</i>	-	a	-	-	1	-	+	+	2	+	+	+	+
<i>A. maritima</i> ssp. <i>sibirica</i>	-	2	-	-	-	-	-	-	-	-	-	-	3
<i>Arnica angustifolia</i> (<i>A. alpina</i>)	-	2	-	-	-	-	-	-	-	-	-	-	+
<i>A. montana</i>	-	-	-	-	-	2	-	+	1	2	+	+	+
<i>Arnoseris minima</i>	-	-	-	-	-	-	a	+	2	2	a	2	2
<i>Arrhenatherum</i> ; see <i>Avenula</i>													
<i>Artemisia absinthium</i> s. <i>lat.</i>	+	+	+	+	+	+	+	+	+	+	4	a	+
<i>A. absinthium</i> var. <i>calcigenum</i> REHM.	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>A. campestris</i> ssp. <i>bottnica</i>	-	2	-	-	-	-	-	-	-	-	-	-	3
<i>A. eriantha</i>	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>A. maritima</i>	-	-	-	3	-	-	-	-	2	+	+	+	+
<i>A. oelandica</i>	-	-	-	-	-	-	-	-	-	-	-	-	3
<i>A. pontica</i>	-	-	-	-	-	a	-	3	-	-	a	a	a
<i>A. stelleriana</i>	-	-	-	-	-	-	-	-	-	-	a	0	0
<i>A. vulgaris</i> ssp. <i>coarctata</i> (FORS.) LEMKE & ROTHM.	+	+	3	-	+	-	-	+	?	-	-	-	+
<i>Arum orientale</i> ssp. <i>danicum</i>	-	-	-	-	-	-	-	-	-	-	-	+	3
<i>Asarum europaeum</i>	-	3	4	+	+	+	+	+	+	-	a	a	a
<i>Asparagus tenuifolius</i>	-	-	-	-	-	-	-	?	-	-	-	-	-
<i>Asperugo procumbens</i>	+	+	a	+	a	+	+	+	2	0	a	4	4
<i>Asperula cynanchica</i>	-	-	-	-	-	-	-	+	1	-	-	-	-
<i>A. glauca</i> ; see <i>Galium glaucum</i>													
<i>A. tinctoria</i> (<i>Galium triandrum</i>)	1	2	-	+	1	-	-	+	-	-	0	+	+
<i>Asplenium adiantum-nigrum</i>	-	-	-	-	-	-	-	2	-	-	2	3	3
<i>A. adulterinum</i>	-	2	-	-	-	-	-	3	-	-	-	2	2
<i>A. x alternifolium</i> WULFEN (<i>A. trichomanes</i> ssp. <i>trichomanes</i> x <i>A. septentrionale</i>) ⁴	+	+	-	-	-	-	-	+	0	-	+	+	+
<i>A. cuneifolium</i>	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>A. onopteris</i>	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>A. ruta-muraria</i>	2	3	-	+	1	-	-	+	4	1	2	+	+
<i>A. septentrionale</i>	+	+	1	1	-	-	-	+	0	0	2	+	+
<i>A. trichomanes</i>	+	+	-	+	1	1	2	+	1	1	3	+	+
<i>Aster amellus</i>	-	-	-	-	-	-	-	+	0	-	-	-	-
<i>A. linosyris</i>	-	-	-	-	-	-	-	+	0	-	-	-	+
<i>A. tripolium</i>	+	+	1	+	1	1	-	2	4	+	+	+	+
<i>Astragalus alpinus</i> ssp. <i>arcticus</i> (<i>A. subpolaris</i>)	-	+	2	-	-	-	-	-	-	-	-	-	+

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	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>A. arenarius</i>	a	a	3	1	+	+	+	+	+	1	-	-	3
<i>A. australis</i>	-	-	-	-	-	-	-	-	3	-	-	-	-
<i>A. cicer</i>	-	a	a	a	a	3	-	+	+	+	-	-	a
<i>A. danicus</i>	-	-	2	+	+	+	-	+	+	1	-	3	2
<i>A. frigidus</i>	-	+	-	-	-	-	-	3	-	-	-	-	+
<i>A. glycyphyllos</i>	-	a	3	+	+	+	+	+	+	+	+	+	+
<i>A. penduliflorus</i>	-	-	-	-	a	-	-	2	-	-	-	-	3
<i>Astrantia major</i>	-	a	3	a	2	3	+	+	-	-	-	a	a
<i>Atriplex calotheca</i>	+	+	2	+	3	+	+	1	2	0	+	+	+
<i>A. glabriuscula</i>	+	3	-	+	+	-	+	3	1	2	+	+	+
<i>A. laciniata</i> (<i>A. sabulosa</i>)	-	-	-	-	-	-	-	-	-	+	1	+	3
<i>A. littoralis</i>	+	+	3	+	+	+	+	3	+	+	+	+	+
<i>A. longipes</i>	+	+	-	+	+	-	-	3	-	1	+	+	+
<i>A. rosea</i>	-	-	-	-	-	-	-	+	0	-	-	-	-
<i>Avena fatua</i>	+	+	+	+	+	+	+	+	2	4	a	+	+
<i>A. nuda</i>	-	-	-	-	-	-	-	+	+	4	-	-	-
<i>A. strigosa</i>	-	a	0	a	a	a	-	a	+	3	a	0	0
<i>Avenochloa</i> ; see <i>Avenula</i>													
<i>Avenula pratensis</i> (<i>Helictotrichon pratense</i>)	+	+	3	+	+	2	-	+	2	2	+	+	+
<i>A. pubescens</i> (<i>Helictotrichon pubescens</i>)	+	+	+	+	+	+	+	+	4	4	+	+	+
<i>Baldellia ranunculoides</i>	-	-	-	-	-	-	-	1	0	1	+	3	3
<i>B. repens</i> (LAM.) VAN OOSTR. ex LAWALRÉE ^{5,6}	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>Ballota nigra</i> ssp. <i>foetida</i>	a	a	-	-	a	-	+	a	+	+	3	+	+
<i>B. nigra</i> ssp. <i>nigra</i>	a	a	1	a	a	+	+	+	+	2	+	+	+
<i>Barbarea stricta</i>	+	+	4	+	+	+	+	+	+	4	3	+	+
<i>Bassia hirsuta</i>	-	-	-	-	-	-	-	-	0	1	3	0	0
<i>Batrachium</i> ; see <i>Ranunculus</i>													
<i>Beckmannia eruciformis</i>	-	a	4	a	-	3	+	+	-	-	-	-	a
<i>Bellardiochloa violacea</i> (<i>Poa violacea</i>)	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>Beta vulgaris</i> ssp. <i>maritima</i>	-	-	-	-	-	-	-	-	-	3	a	3	3
<i>Betonica</i> ; see <i>Stachys</i>													
<i>Betula humilis</i>	-	-	4	+	+	+	3	2	1	1	-	-	-
<i>B. nana</i>	-	+	+	+	2	1	-	2	0	-	-	-	+
<i>B. oycoviensis</i>	-	-	-	-	-	-	-	2	-	-	-	-	-
<i>B. szaferi</i> JENTYS-SZAFEROWA ex STASZKI.	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>Bidens connata</i> ⁷	-	-	-	-	-	-	-	+	-	3	-	-	-
<i>B. radiata</i>	+	+	+	+	-	-	-	+	-	-	0	4	4
<i>Blechnum spicant</i>	0	0	-	1	1	-	+	+	2	4	+	+	+
<i>Blysmus compressus</i>	+	-	4	+	+	+	+	+	4	2	+	+	+
<i>B. rufus</i>	+	+	3	+	2	-	-	2	1	1	+	+	+
<i>Bothriochloa</i> ; see <i>Dichanthium</i>													
<i>Botrychium boreale</i>	2	+	-	-	-	-	-	-	-	-	-	-	4
<i>B. lanceolatum</i>	1	4	1	0	-	-	-	0	-	-	-	-	2

Å LA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
B. lunaria	+	+	4	+	+	+	+	+	+	2	1	+	+
B. matricariifolium	2	4	2	1	2	1	+	2	0	0	2	2	
B. multifidum	3	+	4	+	2	3	+	2	0	0	2	4	
B. simplex	1	1	1	0	1	0	1	1	0	-	1	1	
B. virginianum	0	2	1	1	2	1	+	0	-	-	-	2	
Brachypodium pinnatum	+	+	+	+	+	+	+	+	+	+	1	3	+
B. sylvaticum	+	-	2	+	+	+	+	+	+	+	+	+	+
Brassica nigra	+	+	+	-	a	+	+	+	+	+	3	a	+
B. oleracea ssp. oleracea	-	-	a	-	-	-	-	a	-	3	a	-	
Briza media	+	+	+	+	+	+	+	+	+	2	2	+	+
Bromopsis; see Bromus													
Bromus arvensis	a	a	+	a	a	+	+	+	+	1	2	a	3
B. benekenii	1	1	-	3	2	3	+	+	+	+	4	+	4
B. commutatus	-	a	1	-	a	+	+	+	+	+	1	a	2
B. erectus (Bromopsis erecta)	3	a	3	+	a	3	+	+	+	+	2	a	+
B. 'us	-	-	-	-	-	-	-	-	-	?	-	a	1
B. racemosus	-	-	1	-	a	+	-	2	1	2	3	1	
B. ramosus (Bromopsis ramosa)	-	-	-	-	1	+	1	+	+	+	4	+	3
B. secalinus	1	1	+	a	a	a	a	a	1	1	a	1	
B. tectorum (Anisantha tectorum)	a	a	+	+	+	+	+	+	+	+	4	a	+
Bryonia alba	a	a	a	a	a	a	a	+	+	+	0	a	a
Buglossoides; see Lithospermum													
Bunias orientalis	+	+	+	+	+	+	+	+	+	+	2	a	+
Bunium bulbocastanum	-	-	-	-	-	-	-	-	-	+	+	a	3
Bupleurum rotundifolium	-	a	-	-	-	-	+	1	-	-	-	a	a
B. tenuissimum	-	-	-	3	-	-	-	1	1	1	1	+	+
Cakile maritima ssp. baltica (C. baltica)	3	+	4	+	+	+	2	+	2	+	+	+	+
Calamagrostis canescens ssp. vilnensis	-	-	-	-	-	-	-	-	-	?	-	-	-
C. chalybaea	-	-	-	-	-	-	-	-	-	-	-	-	4
C. epigeios ssp. meinshausenii	-	-	+	+	+	-	3	-	-	-	-	-	-
C. pseudophragmites	-	-	-	-	-	3	-	+	-	-	-	-	-
C. stricta	+	+	-	+	+	+	+	+	+	2	2	+	+
Calammophila; see Ammocalamagrostis													
Caldesia parnassifolia	-	-	-	-	-	0	-	1	0	-	-	-	
Calla palustris	+	+	+	+	+	+	+	+	+	+	4	+	+
Callianthemum coriandrifolium	-	-	-	-	-	-	-	3	-	-	-	-	
Callitriche brutia	-	-	-	-	-	-	-	-	-	-	1	3	-
C. hamulata	-	+	-	-	-	-	-	+	1	4	+	+	+
C. hermaphroditica	+	+	+	+	2	+	-	+	1	2	2	+	+
C. obtusangula	-	-	-	-	-	-	-	-	-	2	-	-	
C. palustris (C. verna)	+	+	+	+	+	+	+	+	+	4	3	+	
C. stagnalis	-	-	-	+	+	+	-	?	-	4	+	+	
Caltha minor (C. palustris ssp. minor)	-	+	2	-	+	-	-	-	+	-	-	-	+

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<i>Calypso bulbosa</i>	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
<i>Calystegia pulchra</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+				3	a				+			
<i>C. soldanella</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3					-			
<i>Camelina alyssum</i>	0	0	+	a	a	a	a	-	0	0	a	a	0										a	a	a	0						
<i>C. microcarpa</i>	-	a	+	a	a	a	a	a	+	2	a	a	3										a	a	a	3						
<i>C. sativa var. pilosa</i> DC.	-	a	+	a	-	-	-	-	+	1	-	-	-										-	-	-							
<i>C. sativa var. sativa</i> (C. glabrata)	-	a	+	a	a	a	a	a	+	0	a	a	0										a	a	a	0						
<i>Campanula barbata</i>	-	-	-	-	-	-	-	-	2	-	-	-	a										-	-	-	a						
<i>C. bononiensis</i>	-	-	-	-	-	3	+	+	1	-	-	-	-										-	-	-	-						
<i>C. cervicaria</i>	0	4	4	+	+	+	+	+	+	0	-	0	4										-	-	0	4						
<i>C. corcontica</i> SOUREK	-	-	-	-	-	-	-	-	3	-	-	-	-										-	-	-	-						
<i>C. glomerata</i>	+	+	+	+	+	+	+	+	+	2	1	+	+												+	+						
<i>C. latifolia</i>	3	a	4	+	+	+	+	+	3	+	4	+	+												+	+						
<i>C. patula</i>	+	+	+	+	+	+	+	+	+	4	4	a	+																			
<i>C. persicifolia</i>	+	+	+	+	+	+	+	+	+	+	2	+	+																			
<i>C. rapunculus</i>	-	-	-	-	-	-	-	+	+	+	1	a	3																			
<i>C. scheuchzeri</i>	-	-	-	-	-	-	-	-	3	-	-	-	-																			
<i>C. serrata</i> (C. napuligera)	-	-	-	-	-	-	-	-	2	-	-	-	-																			
<i>C. sibirica</i>	-	-	a	-	-	-	-	-	+	1	-	-	-																			
<i>C. uniflora</i>	-	3	-	-	-	-	-	-	-	-	-	-	+																			
<i>Cardamine bulbifera</i> (Dentaria bulbifera)	+	+	3	+	+	1	+	+	+	+	+	+	+												+	+						
<i>C. flexuosa</i>	0	1	-	-	2	+	+	+	+	+	+	+	+												+	+						
<i>C. hirsuta</i>	+	+	1	+	1	+	-	+	+	+	+	-	+												+	-						
<i>C. impatiens</i>	-	2	3	+	+	+	-	+	1	+	3	+	-																			
<i>C. parviflora</i>	0	2	+	-	-	-	-	3	0	-	-	2	-																			
<i>C. pratensis</i>	+	+	+	+	+	+	+	+	+	4	+	+	+												+	+						
<i>C. resedifolia</i>	-	-	-	-	-	-	-	-	3	-	-	-	-																			
<i>Cardaminopsis arenosa</i>	-	+	+	+	+	+	+	+	+	+	2	3	+																			
<i>C. petraea</i>	-	-	3	-	-	-	-	-	-	-	-	-	+																			
<i>Cardaria draba</i>	a	a	a	a	a	a	a	a	+	+	4	a	a																			
<i>Carduus lobulatus</i>	-	-	-	-	-	-	-	-	3	-	-	-	-																			
<i>C. nutans</i>	-	1	a	+	a	a	a	a	+	+	4	a	3																			
<i>Carex appropinquata</i>	+	4	+	+	+	+	+	+	+	2	2	+	+													+	+					
<i>C. aquatilis</i>	+	+	+	+	1	-	-	-	-	-	-	-	+																			
<i>C. atherodes</i> ⁸	-	3	+	-	2	-	-	3	-	-	-	-	-																			
<i>C. bergrothii</i> (incl. C. kotilainii PALMGR.)	4	4	1	+	+	-	-	-	-	-	-	-	3																			
<i>C. bicolor</i>	-	-	-	-	-	-	-	-	-	-	-	-	-																			
<i>C. bohemica</i>	-	+	2	-	-	-	-	-	2	1	1	1	-																			
<i>C. brizoides</i>	-	-	3	-	2	3	+	+	+	1	-	-	-																			
<i>C. brunnescens</i>	+	+	+	+	+	+	+	+	?	-	-	-	+																			
<i>C. buekii</i>	-	-	-	-	-	-	-	-	?	-	-	-	-																			
<i>C. buxbaumii</i>	2	+	2	+	+	+	+	+	2	1	-	1	+																			
<i>C. caryophyllea</i>	+	+	2	+	+	+	+	+	+	4	2	+	+													+	+					

Å L F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	L	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>C. cespitosa</i>	+	+	+	+	+	+	+	+	+	2	2	3	+
<i>C. chordorrhiza</i>	4	+	+	+	+	+	+	+	2	0	0	1	+
<i>C. dacica</i> (<i>C. nigra</i> ssp. <i>dacica</i>)	-	-	-	-	-	-	-	-	3	-	-	-	-
<i>C. davalliana</i>	-	-	1	4	3	1	-	2	0	-	-	-	-
<i>C. demissa</i> (<i>C. tumidicarpa</i>)	+	+	-	-	+	-	-	+	4	4	+	+	+
<i>C. diandra</i>	+	+	+	+	+	+	+	+	2	2	+	+	+
<i>C. digitata</i>	+	+	+	+	+	+	+	+	+	3	+	+	+
<i>C. dioica</i>	+	+	+	+	+	+	+	+	1	1	+	+	+
<i>C. disperma</i> (<i>C. tenella</i>)	-	+	+	+	+	+	+	2	2	-	-	-	+
<i>C. distans</i>	+	-	-	+	1	+	+	+	2	4	+	+	+
<i>C. disticha</i>	+	+	+	+	-	+	+	+	4	+	+	+	+
<i>C. divulsa</i> ssp. <i>leersii</i> (<i>C. polyphylla</i>)	-	-	-	-	+	+	-	3	0	1	+	+	+
<i>C. echinata</i>	+	+	+	+	+	+	+	+	2	4	+	+	+
<i>C. ericetorum</i>	0	+	+	+	+	+	+	+	2	1	3	+	+
<i>C. extensa</i>	+	-	-	+	-	-	-	0	2	4	+	+	+
<i>C. flacca</i>	+	2	3	+	+	+	+	+	4	+	-	+	+
<i>C. flava</i>	+	+	+	+	+	+	+	+	2	1	2	+	+
<i>C. glareosa</i>	+	+	2	+	-	-	-	-	-	-	-	-	+
<i>C. globularis</i>	4	+	+	+	+	+	+	3	-	-	-	-	+
<i>C. hartmanii</i>	1	1	2	+	+	+	-	+	0	0	2	4	+
<i>C. heleonastes</i>	-	4	+	?	2	1	+	2	-	-	-	-	+
<i>C. holostoma</i>	-	+	-	-	-	-	-	-	-	-	-	-	3
<i>C. hostiana</i>	2	-	2	+	+	+	+	+	1	1	+	+	+
<i>C. jemtlandica</i> (<i>C. lepidocarpa</i> var. <i>jemtlandica</i>)	-	4	-	-	-	-	-	-	-	-	-	-	+
<i>C. lachenalii</i>	-	+	-	-	-	-	-	3	-	-	-	-	+
<i>C. lasiocarpa</i>	+	+	+	+	+	+	+	+	2	4	+	+	+
<i>C. lepidocarpa</i> s. str. (ssp. <i>lepidocarpa</i>)	2	-	2	+	+	+	+	+	2	1	+	+	+
<i>C. ligerica</i>	-	-	-	1	2	3	-	3	4	2	3	3	+
<i>C. limosa</i>	+	+	+	+	+	+	+	2	2	1	+	+	+
<i>C. livida</i>	1	+	2	-	-	-	-	-	-	-	-	-	+
<i>C. loliacea</i>	4	+	4	+	+	+	2	3	-	-	-	-	+
<i>C. mackenziei</i>	+	+	1	+	1	-	-	-	-	-	-	-	+
<i>C. magellanica</i> (<i>C. pauperula</i>)	+	+	+	+	+	3	+	2	-	-	-	-	+
<i>C. maritima</i>	-	0	-	-	-	-	-	-	-	-	-	1	+
<i>C. microglochin</i>	-	4	-	-	-	-	-	0	-	-	-	-	+
<i>C. montana</i>	0	a	2	+	+	+	+	+	3	2	+	+	+
<i>C. muricata</i>	+	+	+	+	+	3	+	+	+	+	+	+	+
<i>C. nardina</i>	-	-	-	-	-	-	-	-	-	-	-	-	3
<i>C. nigra</i>	+	+	+	+	+	+	+	+	4	+	+	+	+
<i>C. obtusata</i>	-	-	-	-	-	-	-	-	-	-	-	-	4
<i>C. ornithopoda</i>	1	-	4	+	+	+	-	+	-	-	-	-	+
<i>C. otrubae</i>	1	0	1	+	1	+	-	+	+	+	+	+	+

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	Å	L	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
<i>C. paleacea</i>	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	+						
<i>C. panicea</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+					
<i>C. paniculata</i>	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
<i>C. parviflora</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<i>C. pauciflora</i>	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	0	0	+					
<i>C. pediformis ssp. rhizodes (C. rhizina)</i>	-	+	2	2	1	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+					
<i>C. pendula</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	2	0				
<i>C. pilosa</i>	-	-	2	-	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-				
<i>C. praecox</i>	a	a	3	a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	2	-	-				
<i>C. pseudobrizzoides (C. reichenbachii)</i>	-	-	-	-	+	-	-	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
<i>C. pulicaris</i>	+	0	-	+	+	+	-	2	1	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
<i>C. punctata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4				
<i>C. remota</i>	1	0	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
<i>C. repens (C. posnaniensis)</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<i>C. rhynchophysa</i>	-	+	+	0	1	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3				
<i>C. riparia</i>	1	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
<i>C. rostrata</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+				
<i>C. rupestris</i>	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+				
<i>C. secalina</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<i>C. serotina ssp. pulchella (C. scandinavica)</i>	+	+	3	+	2	-	-	+	?	2	+	+																				
<i>C. serotina ssp. serotina (C. oederi)</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	2	+	+				
<i>C. spicata</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	4	+	+				
<i>C. stenophylla</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<i>C. strigosa</i>	-	-	-	-	-	-	-	-	2	+	+	3	-																			
<i>C. supina</i>	-	-	-	-	1	-	-	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<i>C. tenuiflora</i>	-	+	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4				
<i>C. tomentosa</i>	-	-	1	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+				
<i>C. trinervis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3	-					
<i>C. umbrosa</i>	-	-	1	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<i>C. vaginata</i>	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
<i>C. vesicaria</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+				
<i>C. viridula</i> MICHX.; see <i>C. bergrothii</i> , <i>C. demissa</i> , <i>C. jemtlandica</i> , <i>C. lepidocarpa</i> , <i>C. serotina</i>																																
<i>C. vulpina</i>	2	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	4	+	+				
<i>Carlina onopordifolia</i> (<i>C. acanthifolia ssp. onopordifolia</i>)	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
<i>C. vulgaris ssp. intermedia</i>	-	-	-	-	-	-	-	-	+	-	-	3	+																			
<i>C. vulgaris ssp. longifolia (C. biebersteinii)</i>	-	2	-	+	+	-	-	+	3	-	+	4																				
<i>C. vulgaris ssp. vulgaris</i>	1	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	4	+	+				
<i>Carpinus betulus</i>	-	-	-	-	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
<i>Carum carvi</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	+	+	+				
<i>Catabrosa aquatica</i>	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	2	+	4				
<i>Caulinia</i> ; see <i>Najas</i>																																
<i>Cenolophium denudatum</i>	-	-	a	-	3	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					

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	Å	L	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
<i>Centaurea cyanus</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	a	+	+							
<i>C. jacea</i> (ssp. <i>jacea</i>)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+							
<i>C. kotschyana</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-							
<i>C. nigra</i>	a	a	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	a	1							
<i>C. pannonica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-							
<i>C. phrygia</i> ssp. <i>melanocalathia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-							
<i>C. phrygia</i> ssp. <i>phrygia</i>	1	+	+	+	+	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	2							
<i>C. phrygia</i> ssp. <i>pseudophrygia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	1	1	+	+	+	+	+							
<i>C. triumfetti</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-							
<i>C. rhenana</i> (C. <i>stoebe</i> ssp. <i>rhenana</i>)	-	-	-	a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	a	a							
<i>Centaureum erythraea</i> var. <i>capitatum</i>	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	1							
<i>C. erythraea</i> var. <i>erythraea</i> (C. <i>minus</i>)	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	3							
<i>C. littorale</i> (C. <i>vulgare</i>)	+	+	1	+	3	1	0	2	2	4	+	+	+	+	+	+	+	+	+	+	2	4	+	+	+							
<i>C. pulchellum</i>	+	+	1	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	4	+	+	+							
<i>Centunculus</i> ; see <i>Anagallis</i>																																
<i>Cephalanthera damasonium</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	4	1	2	3										
<i>C. longifolia</i>	2	-	-	3	0	1	+	2	2	0	2	+																				
<i>C. rubra</i>	-	1	1	3	1	1	1	1	2	-	2	4																				
<i>Cerastium alpinum</i>	-	+	-	-	-	-	-	-	3	-	-	-	+																			
<i>C. alpinum</i> ssp. <i>lanatum</i>	-	+	-	1	-	-	-	3	-	-	-	+																				
<i>C. brachypetalum</i> (incl. ssp. <i>tauricum</i>)	-	-	-	-	-	?	-	2	-	1	3	2																				
<i>C. diffusum</i> ssp. <i>diffusum</i>	-	-	-	-	-	-	-	-	+	-	3	3	3																			
<i>C. diffusum</i> ssp. <i>subtetrandum</i>	-	-	-	-	-	-	-	-	+	-	-	2	+																			
<i>C. dubium</i>	-	-	-	-	-	-	-	-	3	-	-	-	-																			
<i>C. fontanum</i> ssp. <i>scandicum</i> var. <i>kajanense</i> (KOTILAINEN & SALMI) JALAS ⁹	-	2	3	-	-	-	-	-	-	-	-	-	+																			
<i>C. pumilum</i> ssp. <i>pallens</i> (ssp. <i>glutinosum</i>)	+	?	3	4	-	+	-	+	?	0	a	+																				
<i>C. pumilum</i> ssp. <i>pumilum</i>	-	-	-	-	-	-	-	-	+	?	+	a	+																			
<i>C. sylvaticum</i>	-	-	-	-	-	3	0	+	-	-	-	-	-																			
<i>Cerasus</i> ; see <i>Prunus</i>																																
<i>Ceratophyllum demersum</i> ssp. <i>platyacanthum</i>	-	-	2	-	-	-	-	?	-	-	-	-	-																			
<i>C. submersum</i>	-	-	-	+	2	3	+	+	+	+	+	+	3																			
<i>Ceterach officinarum</i> (Asplenium <i>ceterach</i>)	-	-	-	-	-	-	-	-	-	-	-	-	-																			
<i>Chaenorrhinum minus</i>	a	a	a	a	a	a	a	+	+	4	a	+																				
<i>Chaerophyllum aureum</i>	-	a	3	-	-	-	-	a	-	-	a	1																				
<i>C. bulbosum</i> ssp. <i>bulbosum</i>	-	a	3	-	a	+	+	+	+	+	4	a	1																			
<i>C. bulbosum</i> ssp. <i>prescottii</i>	-	+	a	a	-	-	-	-	-	-	-	-	2																			
<i>C. temulentum</i> (C. <i>temulum</i>)	-	a	a	2	a	+	+	+	+	+	+	+	+																			
<i>Chamaecytisus albus</i>	-	-	-	-	-	-	-	3	-	-	-	-	-																			
<i>Chamaedaphne calyculata</i>	-	+	+	+	+	+	+	2	-	-	-	3																				
<i>Chamorchis alpina</i>	-	3	-	-	-	-	-	3	-	-	-	+																				
<i>Chenopodium bonus-henricus</i>	4	1	2	a	a	a	+	+	4	4	a	+																				
<i>C. botryodes</i>	-	-	-	-	-	-	-	+	1	1	3	a																				

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<i>C. hybridum</i>	a	a	+	a	a	+	+	+	+	+	+	1	a	+																						
<i>C. murale</i>	a	a	-	a	a	a	a	+	2	0	a	+																								
<i>C. urbicum</i>	0	0	2	a	a	a	a	a	0	1	a	1																								
<i>C. vulvaria</i>	a	a	-	a	a	a	a	a	1	0	a	1																								
<i>Chimaphila umbellata</i>	+	+	4	+	4	+	2	+	1	0	3	+																								
<i>Chondrilla juncea</i>	-	-	-	-	a	-	a	+	+	1	-	-																								
<i>Chrysanthemum segetum</i>	a	a	a	a	a	a	a	a	4	4	a	4																								
<i>Chrysosplenium oppositifolium</i>	-	-	-	-	-	-	-	3	+	+	+	-																								
<i>C. tetrandum</i>	-	+	-	-	-	-	-	-	-	-	-	3																								
<i>Cicendia filiformis</i>	-	-	-	-	-	-	-	-	0	0	0	-																								
<i>Cineraria</i> ; see <i>Senecio</i>																																				
<i>Cinna latifolia</i>	-	3	3	3	3	3	-	+	-	-	-	-	3																							
<i>Circaea alpina</i>	3	+	+	+	+	+	+	+	+	2	3	+																								
<i>C. x intermedia</i>	-	-	-	-	2	+	-	+	+	2	+	4																								
<i>C. lutetiana</i>	-	-	-	1	2	+	+	+	+	+	+	+																								
<i>Cirsium acaule</i>	-	-	-	+	+	+	-	+	2	1	+	+																								
<i>C. canum</i>	-	-	-	-	-	-	-	+	-	-	-	2																								
<i>C. decussatum</i>	-	-	-	-	-	-	-	3	-	-	-	-																								
<i>C. helenioides</i> (<i>C. heterophyllum</i>)	+	+	+	+	+	2	-	+	-	1	+	+																								
<i>C. rivulare</i>	-	-	3	-	-	+	+	+	1	-	-	0																								
<i>C. waldsteinii</i>	-	-	-	-	-	-	-	3	-	-	-	-																								
<i>Cladium mariscus</i>	1	1	1	3	3	2	-	+	+	2	3	+																								
<i>Clematis alpina</i> ssp. <i>sibirica</i>	-	3	-	-	-	-	-	-	-	-	-	-																								
<i>Cnidium dubium</i>	-	-	4	+	3	3	-	2	1	1	2	4																								
<i>Cochlearia anglica</i>	-	-	-	-	-	-	-	-	2	4	+	3																								
<i>C. danica</i>	+	+	-	3	-	-	-	-	-	+	+	+																								
<i>C. officinalis</i>	-	a	-	0	-	-	-	-	1	2	+	+																								
<i>C. polonica</i>	-	-	-	-	-	-	-	0	-	-	-	-																								
<i>C. tatarae</i>	-	-	-	-	-	-	-	3	-	-	-	-																								
<i>Coeloglossum viride</i>	4	+	3	2	3	1	1	2	-	-	0	+																								
<i>Colchicum autumnale</i>	a	a	2	+	+	3	+	+	1	-	a	a																								
<i>Conioselinum tataricum</i> (<i>C. vaginatum</i>)	-	-	+	?	3	3	+	+	-	-	-	-																								
<i>Conium maculatum</i>	3	+	+	+	+	+	+	+	+	+	a	4																								
<i>Conopodium majus</i>	-	-	-	-	-	-	-	-	-	-	a	0																								
<i>Conringia orientalis</i>	a	a	a	a	a	a	a	1	-	+	a	a																								
<i>Consolida regalis</i> (ssp. <i>regalis</i>)	1	0	+	a	a	a	a	+	4	2	a	4																								
<i>Corallorhiza trifida</i>	+	+	4	+	3	2	1	2	1	0	3	+																								
<i>Corispermum intermedium</i>	-	-	-	-	3	+	+	a	-	-	-	-																								
<i>C. leptopterum</i>	-	a	-	a	a	a	a	+	2	-	a																									
<i>Cornus suecica</i>	+	+	3	+	+	-	-	0	-	1	+	+																								
<i>Coronilla emerus</i>	-	-	-	-	-	-	-	-	-	-	-	2																								
<i>C. varia</i>	-	a	a	a	a	+	+	+	+	3	a	a																								
<i>Coronopus squamatus</i>	a	a	a	-	a	a	-	+	2	+	a	+																								

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<i>Corrigiola litoralis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	0	a												
<i>Cortusa matthioli</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-												
<i>Corydalis bulbosa</i> (C. cava)	-	-	-	-	-	2	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>C. claviculata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	+	a													
<i>C. gotlandica</i> LIDÉN ⁶	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3											
<i>C. intermedia</i>	+	+	3	1	2	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>C. pumila</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	+	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cotoneaster integerrimus</i>	+	+	-	+	1	-	-	-	+	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>C. nebrodensis</i> (C. tomentosus)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>C. niger</i> (C. melanocarpus)	-	-	2	+	2	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	3	+												
<i>Cotula coronopifolia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	a	-										
<i>Crambe maritima</i>	4	+	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Crassula aquatica</i> (Tillaea aquatica)	+	+	2	0	0	-	1	0	-	0	-	0	1	0	-	0	-	0	1	0	-	0	1	+												
<i>Crataegus calycina</i>	+	2	a	+	3	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>C. laevigata</i> ssp. <i>laevigata</i>	-	-	-	-	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>C. laevigata</i> ssp. <i>palmstruchii</i>	-	-	-	+	-	-	-	-	3	+	+	-	-	-	-	-	-	-	3	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>C. macrocarpa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>C. monogyna</i> ssp. <i>nordica</i>	+	2	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>C. plagiosepala</i>	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Crepis mollis</i>	-	-	3	2	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>C. nicaeensis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	a	-	-	-	a	0												
<i>C. paludosa</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>C. praemorsa</i>	1	1	+	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	0	-	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>C. sibirica</i>	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>C. tectorum</i> ssp. <i>nigrescens</i>	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Cruciata glabra</i>	-	a	3	1	-	1	-	+	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>C. laevipes</i>	-	a	3	3	a	3	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	a	-												
<i>Cryptogramma crispa</i>	0	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	+												
<i>Cucubalus baccifer</i>	-	-	+	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Cuscuta epilinum</i>	-	0	0	a	a	a	a	a	0	0	0	0	a	0					0	0	0	0	a	0												
<i>C. epithymum</i> s. <i>lat.</i>			+	+					+	+																										
<i>C. epithymum</i> s. <i>str.</i>	-	-			+	+																														
<i>C. trifolii</i> BAB. (<i>C. epithymum</i> ssp. <i>trifolii</i>)	a	a		a	+	a																														
<i>C. europaea</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	4											
<i>C. lupuliformis</i>	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Cymbalaria muralis</i>	-	-	1	-	-	-	-	-	a	-	4	a	a																							
<i>Cynoglossum officinale</i>	2	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	a	+	+	+	+	+	+	+	+	+	+	+	+	+
<i>Cynosurus cristatus</i>	+	a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Cyperus flavescens</i>	-	-	-	-	0	1	-	+	0	0	0	-	-	-	-	-	-	-	-	-	-	0	0	-	-	-	-	-	-	-	-	-	-	-	-	
<i>C. fuscus</i>	-	-	2	+	2	2	-	+	2	1	1	0																								
<i>C. michelianus</i>	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Cypripedium calceolus</i>	2	4	4	3	2	2	1	2	3	-	2	4																								
<i>Cystopteris fragilis</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	1	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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	Å	L	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
<i>C. sudetica</i>	-	-	2	1	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Cytisus albus</i> HACQ.; see <i>Chamaecytisus</i>																																
<i>C. scoparius</i> (Sarthamnus scoparius)	a	a	a	-	a	a	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Dactylis glomerata</i> ssp. aschersoniana (D. polygama HORVAT.)	-	-	a	+	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Dactylorhiza baltica</i> (D. majalis ssp. baltica)	-	-	3	3	4	2	2	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. cordigera</i>	-	-	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. fuchsii</i>	+	+	4	+	4	+	2	2	4	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>D. incarnata</i> ssp. cruenta	4	2	2	3	3	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. incarnata</i> ssp. incarnata	+	+	4	+	4	+	+	+	+	2	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>D. incarnata</i> ssp. ochroleuca	-	-	-	+	+	-	+	+	+	1	-	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>D. maculata</i> ssp. elodes	-	-	2	-	+	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. maculata</i> ssp. maculata	+	+	4	+	4	2	2	2	2	2	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>D. majalis</i> ssp. brevifolia (BISSE) SENGH. (non RCHB. f.)	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. majalis</i> ssp. majalis	-	-	-	-	-	1	2	+	2	2	+	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. majalis</i> ssp. praetermissa	-	-	-	1	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. purpurella</i> (T. & T. A. STEPH.) ssp. majaliformis NELSON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. purpurella</i> ssp. purpurella	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. russowii</i>	-	-	2	3	3	2	1	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. ruthei</i> (M. SCHULZE) SOÓ	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. sambucina</i>	+	4	-	1	-	-	-	2	-	-	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>D. sphagnicola</i> (HÖPPNER) SOÓ	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. traunsteineri</i> (excl. ssp. lapponica)	2	4	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. traunsteineri</i> ssp. lapponica (D. lapponica)	-	?	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Danthonia decumbens</i>	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Daphne cneorum</i>	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. mezereum</i>	4	+	4	+	+	+	+	+	+	2	a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Delphinium elatum</i>	-	a	-	-	2	-	-	+	-	-	-	a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Deschampsia caespitosa</i> ssp. paludosa (D. wibeliana)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. setacea</i>	-	-	-	-	-	-	-	0	0	1	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Dentaria</i> ; see <i>Cardamine</i>																																
<i>Dianthus arenarius</i> ssp. arenarius ¹⁰	-	-	3	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. arenarius</i> ssp. borussicus	-	4	3	+	+	+	3	+	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. armeria</i>	-	-	-	-	-	1	+	+	1	1	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. borbasii</i>	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. carthusianorum</i>	-	-	-	-	-	+	+	+	4	1	-	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. collinus</i> ssp. glabriusculus	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. deltoides</i>	+	+	+	+	+	+	+	+	+	4	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>D. gratianopolitanus</i>	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. nitidus</i>	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>D. superbus</i>	-	+	4	+	1	1	3	2	2	1	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Å L F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	L	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
Dictamnus albus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Digitalis grandiflora	a	-	-	-	-	4	+	1	+	1	-	-	-	-	-	-	+	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Digitaria ischaemum	-	-	a	a	a	+	+	+	a	+	+	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Diphasium alpinum	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. complanatum (ssp. complanatum)	4	+	+	+	+	4	+	2	+	2	0	2	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. issleri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. tristachyum (D. complanatus ssp. chamaecyparissus)	-	3	4	+	3	+	-	2	1	0	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. x zeilleri (ROUY) DAMBOLDT (D. complanatum x tristachyum) ¹¹	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	0	-	-	-	-	-	-	-	-	-	-	-	-	
Diplazium sibiricum	-	+	3	-	-	-	-	-	a	-	-	-	-	-	-	-	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dipsacus fullonum	-	-	-	-	-	-	-	1	+	-	+	a	a	-	-	-	-	-	+	+	1	3	a	-	-	-	-	-	-	-	-	
D. pilosus (D. strigosus WILLD.)	-	a	-	-	-	-	-	1	+	+	1	3	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dorycnium pentaphyllum ssp. germanicum	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. pentaphyllum ssp. herbaceum	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Draba alpina	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. cacuminum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. cinerea	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. crassifolia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. dubia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. incana	+	+	3	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. lactea	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. muralis	+	+	-	+	-	+	-	-	+	-	+	1	+	-	-	-	+	-	+	-	+	1	+	-	-	-	-	-	-	-	-	
D. nemorosa	-	4	+	+	3	+	-	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. tomentosa	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dracocephalum ruyschiana	-	a	3	3	2	3	+	2	-	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. thymiflorum	-	a	+	a	a	a	a	a	-	-	-	a	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Drosera anglica	+	+	+	+	+	+	+	+	2	2	0	3	+	-	-	-	2	2	0	3	+	-	-	-	-	-	-	-	-	-	-	
D. intermedia	+	+	2	+	2	1	0	2	1	4	+	+	-	-	-	-	2	1	4	+	+	-	-	-	-	-	-	-	-	-	-	
D. x obovata (D. anglica x rotundifolia) ¹¹	+	+	+	+	+	+	-	+	+	0	+	+	-	-	-	-	+	+	0	+	+	-	-	-	-	-	-	-	-	-	-	
D. rotundifolia	+	+	+	+	+	+	+	3	4	4	+	+	-	-	-	-	3	4	4	+	+	-	-	-	-	-	-	-	-	-	-	
Dryopteris borreii (D. pseudomas, D. affinis)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. cristata	+	+	4	+	+	+	+	2	4	4	+	4	-	-	-	-	2	4	4	+	4	-	-	-	-	-	-	-	-	-	-	
D. fragrans	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. x uliginosa (A. BR. ex DÖLL) DRUCE (D. cristata x carthusiana) ¹¹	+	+	+	+	+	+	+	+	+	+	3	+	+	-	-	-	+	+	3	+	+	-	-	-	-	-	-	-	-	-	-	
D. villarii	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Echium russicum	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Elatine alsinastrum	-	2	-	-	-	-	-	-	1	1	0	a	-	-	-	-	1	1	0	a	-	-	-	-	-	-	-	-	-	-	-	
E. hexandra	-	-	-	-	-	-	-	-	1	0	-	2	4	-	-	-	1	0	-	2	4	-	-	-	-	-	-	-	-	-	-	
E. hydropiper	-	+	+	3	1	3	+	+	+	1	2	2	+	-	-	-	+	1	2	2	+	-	-	-	-	-	-	-	-	-	-	
E. orthosperma	-	+	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
E. triandra	-	+	4	-	-	-	2	1	-	-	-	+	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	

Å L F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Eleocharis acicularis</i>	+	+	+	+	+	+	+	+	+	2	4	+	+
<i>E. mamillata</i>	+	+	+	+	+	+	+	+	+	1	1	-	+
<i>E. multicaulis</i>	-	-	-	-	1	-	-	1	1	1	1	+	+
<i>E. ovata</i>	-	-	4	0	+	-	-	2	-	1	-	-	-
<i>E. parvula</i>	+	+	2	+	1	-	-	1	0	1	1	+	+
<i>E. quinqueflora</i>	+	+	3	+	+	+	+	+	2	2	+	+	+
<i>E. uniglumis</i>	+	+	+	+	+	+	+	+	4	+	+	+	+
<i>Eleogiton</i> ; see <i>Scirpus</i>													
<i>Elymus alaskanus</i>	-	3	-	-	-	-	-	-	-	-	-	-	+
<i>E. caninus</i> var. <i>behmii</i> (MELD.) JAASKA	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>E. farctus</i> ssp. <i>boreali-atlanticus</i> ¹²	-	2	-	3	1	-	1	1	-	+	+	+	+
<i>E. farctus</i> x <i>Leymus arenarius</i> (<i>Agropyron junceum</i> x <i>Elymus arenarius</i> , <i>Elymopyron strictum</i>) ¹¹	-	-	-	-	-	-	-	+	3	3	+	+	+
<i>Elytrigia</i> ; see <i>Elymus</i>													
<i>Empetrum hermaphroditum</i>	+	+	+	3	-	-	-	+	-	-	-	-	+
<i>Epilobium collinum</i>	+	+	+	+	2	+	-	+	-	+	-	-	+
<i>E. laestadii</i> KYTÖVUORI	-	2	-	-	-	-	-	-	-	-	-	-	+
<i>E. obscurum</i>	0	2	3	+	1	+	-	+	?	+	+	+	+
<i>E. parviflorum</i>	3	2	+	+	+	+	+	+	+	+	+	+	+
<i>E. tetragonum</i> ssp. <i>lamyi</i> (<i>E. lamyi</i>)	0	3	-	-	-	-	-	+	?	+	a	+	+
<i>Epipactis atrorubens</i>	-	3	2	+	4	2	2	+	+	-	2	+	+
<i>E. helleborine</i>	2	+	4	+	+	+	1	+	+	+	+	+	+
<i>E. leptochila</i>	-	-	-	-	-	-	-	-	-	-	-	2	-
<i>E. microphylla</i>	-	-	-	-	-	-	-	1	-	-	-	-	-
<i>E. palustris</i>	2	2	4	+	4	+	1	2	2	2	+	+	+
<i>E. phyllantes</i> (<i>E. confusa</i>)	-	-	-	-	-	-	-	-	3	-	+	3	-
<i>E. purpurata</i>	-	-	-	-	-	+	1	3	1	1	3	-	-
<i>Epipogium aphyllum</i>	4	4	1	1	0	1	0	2	1	0	1	4	-
<i>Equisetum</i> x <i>moorei</i>	-	-	-	2	+	-	-	+	-	-	-	-	-
<i>E. scirpoides</i>	1	+	3	1	1	-	-	-	-	-	-	-	+
<i>E. telmateia</i>	-	-	-	-	1	3	1	+	+	+	+	+	1
<i>E. x trachyodon</i> (<i>E. hyemale</i> x <i>variegatum</i>) ¹¹	-	3	-	1	+	-	-	+	-	-	-	-	+
<i>E. variegatum</i>	1	+	3	+	+	+	+	+	-	1	2	+	+
<i>Erica tetralix</i>	-	1	-	0	2	1	-	+	2	+	+	+	+
<i>Erigeron acer</i> ssp. <i>decoloratus</i>	-	3	3	-	-	-	-	-	-	-	-	-	-
<i>E. acer</i> ssp. <i>droebachiensis</i>	-	+	3	-	-	-	-	3	+	+	-	+	+
<i>E. acer</i> ssp. <i>macrophyllus</i>	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>E. alpinus</i> ssp. <i>intermedius</i>	-	-	-	-	-	-	-	2	-	-	-	-	-
<i>E. borealis</i>	-	1	-	-	-	-	-	-	-	-	-	-	+
<i>E. nanus</i>	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>E. uniflorus</i>	-	+	-	-	-	-	-	3	-	-	-	-	+
<i>Eriophorum angustifolium</i>	+	+	+	+	+	+	+	+	4	+	+	+	+
<i>E. gracile</i>	1	+	4	+	3	3	+	+	0	1	1	4	-

Å LA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	L	A	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E		
<i>E. latifolium</i>	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	1	+	+											
<i>Erucastrum gallicum</i>	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-	+	a	1											
<i>Erodium danicum</i> K. LARSEN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	+	+											
<i>Eryngium campestre</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	2	2	a	-										
<i>E. maritimum</i>	-	-	-	-	2	1	1	2	+	1	2	+	1	2	+	3																			
<i>Erysimum hieracifolium</i>	+	+	+	+	a	a	-	+	+	+	+	+	1	2	+																				
<i>E. pieninicum</i>	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Euonymus europaeus</i>	-	-	-	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>E. verrucosus</i>	-	-	3	-	+	+	2	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	a			
<i>Eupatorium cannabinum</i>	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>Euphorbia epithymoides</i>	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>E. exigua</i>	-	a	-	-	-	-	-	-	-	-	-	-	+	4	1	a	2																		
<i>E. palustris</i>	-	+	2	+	2	-	+	+	+	1	1	2	+																						
<i>Euphrasia arctica ssp. minor</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>E. dunensis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>E. micrantha</i>	2	4	-	+	3	+	-	+	0	1	+	4																							
<i>E. minima</i>	-	-	-	-	-	-	-	-	3	-	-	-	-																						
<i>E. nemorosa</i>	+	+	-	-	-	-	-	-	+	2	2	+	+																						
<i>E. rostkoviana ssp. fennica</i> (E. fennica)	-	4	+	-	+	-	-	-	-	-	-	-	1	-	-	0																			
<i>E. rostkoviana ssp. montana</i>	-	-	-	-	-	-	-	-	+	1	-	-	0																						
<i>E. rostkoviana ssp. rostkoviana</i>	-	a	-	-	+	+	+	+	1	-	0	2																							
<i>E. salisburgensis var. salisburgensis</i>	-	3	-	-	-	-	-	-	+	-	-	+																							
<i>E. salisburgensis var. schoenicola</i> YEO.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>E. scottica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>E. stricta var. stricta</i>	+	+	+	+	+	+	+	+	+	2	4	+	+																						
<i>E. stricta var. suecica</i> (WETTST.) KARLSS.	-	-	-	+	+	-	-	-	-	-	-	3	2																						
<i>Fagus sylvatica</i>	-	-	+	-	-	-	3	+	+	+	+	+	+																						
<i>Falcaria vulgaris</i>	-	-	+	a	a	a	a	+	+	1	a	2																							
<i>Festuca altissima</i>	-	-	+	2	2	1	+	+	+	+	+	3																							
<i>F. amethystina</i>	-	-	-	-	-	-	-	-	2	-	-	-																							
<i>F. gigantea</i>	-	1	+	+	+	+	+	+	+	+	+	+																							
<i>F. heterophylla</i>	a	-	-	-	-	+	-	+	+	+	-	a	3																						
<i>F. makutrensis</i>	-	-	-	-	-	-	-	-	3	?	-	-	-																						
<i>F. ovina</i>	+	+	+	+	+	+	+	+	+	4	+	+	+																						
<i>F. polesica</i> (F. sabulosa)	-	+	+	+	+	+	+	+	+	3	-	3	+																						
<i>F. psammophila</i>	-	-	-	-	-	2	-	+	?	-	-	-																							
<i>F. pseudodalmatica</i>	-	-	-	-	-	-	-	-	3	-	-	-	-																						
<i>F. pseudovina</i>	-	-	-	-	-	-	-	-	3	-	-	-	-																						
<i>F. rubra ssp. litoralis</i> (F. salina)	-	-	-	-	-	-	-	-	+	2	+	+	-																						
<i>F. tenuifolia</i> (F. ovina ssp. capillata)	-	a	-	-	-	-	-	-	+	2	3	+	3																						
<i>Ficaria verna</i> ; see <i>Ranunculus ficaria</i>																																			
<i>Filago</i> ; see also <i>Logfia</i>																																			
<i>Filago lutescens</i>	-	-	-	-	-	-	-	-	-	-	1	2	a	0																					

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	Å	L	A	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
<i>F. vulgaris</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	1	1	a	1												
<i>Filipendula vulgaris</i>	+	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	2	+	+												
<i>Fragaria moschata</i>	+	+	+	+	+	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	a	+											
<i>F. viridis</i>	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	1	+	+												
<i>Fraxinus excelsior</i>	+	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Fritillaria meleagris</i>	2	-	0	-	1	-	-	2	1	1	a	+																					
<i>Fumaria vaillantii</i>	1	-	-	-	-	-	a	-	+	-	-	-	-	-	-	-	3	2	1	a	2												
<i>Gagea arvensis</i> (G. villosa)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	1	a	2												
<i>G. erubescens</i> (BESS.) SCHULT. & SCHULT. fil.	-	-	0	+	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>G. minima</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	1	+	+												
<i>G. pratensis</i>	-	a	-	-	+	3	+	+	4	1	3	+																					
<i>G. pomeranica</i> RUTHE				-																													
<i>G. spathacea</i>	-	-	-	-	-	-	-	1	2	+	+	+	+	+	+	+	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Galeopsis angustifolia</i>	-	-	-	-	-	-	+	-	+	+	+	a	3																				
<i>G. ladanum</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	2	a	+												
<i>G. pubescens</i>	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	2	-	-												
<i>G. segetum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	a	2	4	a	-												
<i>Galium boreale</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	1	+	+												
<i>G. cracoviense</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-												
<i>G. pumilum</i>	-	a	3	1	-	-	-	-	+	+	1	a	3																				
<i>G. rotundifolium</i>	-	-	-	-	-	-	-	-	+	-	-	a	3																				
<i>G. saxatile</i>	-	1	3	-	-	-	-	-	+	+	+	+	+																				
<i>G. schultesii</i>	-	-	-	0	2	+	+	+	+	-	-	-	-																				
<i>G. spurium</i> s. str. (excl. <i>G. vaillantii</i>)	+	+	+	-	a	+	-	+	1	-	a	0																					
<i>G. sternerii</i>	-	-	-	-	-	-	-	-	-	-	1	+	-																				
<i>G. sudeticum</i>	-	-	-	-	-	-	-	-	-	-	3	-	-																				
<i>G. suecicum</i>	-	-	-	-	-	-	-	-	-	-	-	+	-																				
<i>G. sylvaticum</i>	-	-	-	-	-	-	-	-	-	-	+	+	3	-	-	-	-	-	3	-	-												
<i>G. triandrum</i> ; see <i>Asperula tinctoria</i>																																	
<i>G. tricornutum</i>	-	a	a	-	-	-	-	-	a	0	1	a	a																				
<i>G. triflorum</i>	-	+	4	+	1	3	-	-	-	-	-	-	4																				
<i>G. uliginosum</i>	+	+	+	+	+	+	+	+	+	+	+	+	+																				
<i>G. valdepiosum</i>	-	-	-	-	-	-	-	-	3	-	-	3	-																				
<i>Genista anglica</i>	-	-	-	-	-	-	-	-	a	1	4	+	1																				
<i>G. germanica</i>	-	-	-	-	-	-	-	-	+	1	1	0	1																				
<i>G. pilosa</i>	-	-	-	-	a	-	-	+	4	2	+	+																					
<i>G. tinctoria</i>	-	-	1	a	a	-	-	+	4	2	+	3																					
<i>Genistella</i> ; see <i>Chamaespartium</i>																																	
<i>Gentiana cruciata</i>	-	-	4	+	3	2	1	+	1	-	-	-																					
<i>G. lingulata</i> ; see <i>Gentianella amarella</i> ssp. <i>lingulata</i>																																	
<i>G. pneumonanthe</i>	-	-	+	3	2	2	0	2	2	2	+	+																					
<i>G. purpurea</i>	-	-	-	-	-	-	-	-	-	-	-	-	3																				
<i>Gentianella amarella</i> s. lat.	2	4	4	+	2	2		2	-	-	3	4																					

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<i>G. amarella s. str.</i>				+				1						
<i>G. amarella ssp. lingulata</i> (AGARDH) J. HOLUB				+				1						
<i>G. aurea</i>	-	a	-	-	-	-	-	-	-	-	-	-	-	3
<i>G. campestris ssp. baltica</i>	-	-	1	-	-	-	-	1	1	1	1	3	4	
<i>G. campestris ssp. campestris</i>	2	2	-	-	-	-	-	1	1	-	-	3	4	
<i>G. tenella</i>	-	3	-	-	-	-	-	-	2	-	-	-	-	+
<i>G. uliginosa</i> (WILLD.) BÖRNER	4	4	-	+	2	1	1	2	1	1	1	3	+	
<i>Geranium bohemicum</i>	a	+	1	+	1	+	-	0	-	-	-	-	3	
<i>G. columbinum</i>	0	a	-	0	+	+	+	+	+	4	+	+	+	
<i>G. dissectum</i>	2	0	-	-	a	+	+	+	+	4	+	a	4	
<i>G. divaricatum</i>	-	-	-	-	-	-	-	?	-	-	-	-	-	
<i>G. lanuginosum</i>	-	-	-	-	-	-	-	-	-	-	-	-	2	
<i>G. lucidum</i>	+	+	-	3	-	?	-	a	-	-	-	3	+	
<i>G. molle</i>	+	1	-	+	1	+	-	+	+	+	+	a	+	
<i>G. palustre</i>	0	+	+	+	+	+	+	+	+	+	4	+	2	
<i>G. phaeum</i>	-	-	3	-	a	-	-	+	+	+	+	a	2	
<i>G. pratense</i>	a	+	+	+	+	+	+	+	+	+	2	+	+	
<i>G. robertianum ssp. maritimum</i> (BAB.) BAKER	-	-	-	-	-	-	-	-	3	+	+	-	-	
<i>G. sanguineum</i>	+	+	3	+	+	+	+	+	+	1	1	+	+	
<i>G. sylvaticum</i>	+	+	+	+	+	+	+	+	+	0	1	+	+	
<i>Geum hispidus</i>	-	-	-	-	-	-	-	-	-	-	-	-	4	
<i>Gladiolus felcis</i> MIREK (<i>G. parviflorus</i>)	-	-	-	-	-	-	-	-	0	-	-	-	-	
<i>G. imbricatus</i>	-	-	2	3	3	2	1	+	-	-	-	-	-	
<i>G. palustris</i>	-	-	-	-	-	0	0	1	-	-	-	-	-	
<i>Glaucium flavum</i>	-	-	-	-	-	-	-	a	-	-	-	2	2	
<i>Glaux maritima</i>	+	+	3	+	2	1	3	+	+	+	+	+	+	
<i>Glyceria fluitans ssp. poiformis</i> FRIES	-	-	-	-	-	-	-	-	?	-	-	-	-	
<i>Glyceria lithuanica</i>	-	+	+	+	3	-	-	+	-	-	-	-	2	
<i>G. nemoralis</i>	-	-	-	-	-	3	+	+	3	3	-	-	-	
<i>G. striata</i>	-	-	-	-	1	2	-	+	-	-	-	-	a	
<i>Gnaphalium luteo-album</i>	-	-	-	-	-	+	+	+	+	1	1	a	0	
<i>Goodyera repens</i>	+	+	4	+	+	+	1	+	1	0	3	+	+	
<i>Gratiola officinalis</i>	-	-	a	-	2	1	+	+	1	0	-	-	-	
<i>Groenlandia densa</i>	-	-	-	-	-	0	+	1	0	1	3	0	0	
<i>Gymnadenia albida</i> ; see <i>Pseudorchis albida</i>														
<i>G. conopsea ssp. conopsea</i>	2	+	4	+	4	2	1	+	1	0	2	+	+	
<i>G. conopsea ssp. densiflora</i> (WAHLENB.) CAMUS	-	-	4	+	-	-	-	+	2	-	1	3		
<i>G. odoratissima</i>	-	-	-	2	-	1	-	+	-	-	-	3		
<i>Gymnigritella runei</i> TEPPNER & KLEIN ¹³	-	-	-	-	-	-	-	-	-	-	-	3		
<i>Gymnocarpium dryopteris</i>	+	+	+	+	+	+	3	+	+	+	-	+	+	
<i>G. jessoense</i>	-	3	-	-	-	-	-	-	-	-	-	-	-	
<i>G. robertianum</i>	-	3	3	+	2	-	-	+	+	1	+	+	+	
<i>Gypsophila fastigiata</i>	-	4	3	+	+	+	+	+	-	-	-	-	+	

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G. muralis	-		4	+			+		+		+		+		+		+		0		0		0		a		2					
Hackelia deflexa; see Lappula deflexa																																
Halimione pedunculata	-		-	-		+		-		-		-		-		0		0		0		1		+		+						
H. portulacoides ¹⁴	-		-	-	-	-	-	-		-		-		-		-		-		-		2		+		-						
Hammarbya paludosa	4		+	4	3	3	3	1	1	1	2	1	1	2	+	1	1	2	1	1	1	2	+									
Hedera helix	-		-	-	2	1	1	1	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Helianthemum nummularium ssp. nummularium	+	1	0	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
H. nummularium ssp. obscurum (H. ovatum)	-		-	-	-	+	-	-	-	+	2	1	+	+																		
H. oelandicum ssp. rupifragum	-		-	-	-	-	-	-	-	3	-	-	-	-																		
Helichrysum arenarium	-		-	3	.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3	+	4									
Helictotrichon; see Avenula																																
Helleborus purpurascens	-		-	-	-	-	-	-	-	-	3	-	-	-																		
Helosciadium; see Apium																																
Hepatica nobilis	+	+	+	+	+	+	+	+	2	+	+	+	2	+	+	2	+	+	2	+	+											
Herminium monorchis	0	0	3	+	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Herniaria glabra	1	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hesperis matronalis ssp. candida	-		-	-	-	-	-	-	-	3	-	-	-	-																		
H. nivea	-		-	-	-	-	-	-	-	3	-	-	-	-																		
Hieracium x brachiatum	-		-	+	-	-	+	-	+	-	+	1	-	-																		
H. caespitosum ssp. caespitosum (H. pratense ssp. pratense) ³	-	+	+	+	+	+	+	+	+	+	2	1	a	2																		
H. caespitosum ssp. colliniforme (H. pratense ssp. colliniforme)	-		-	-	-	-	+	-	+	-	+	-	-	2																		
H. cymosum (Pilosella cymosa)	+	+	+	+	+	+	+	+	+	+	1	-	2	+																		
H. x densiflorum (H. tauschii)	-		-	-	-	-	+	-	+	-	+	1	-	-																		
H. x duplex (H. prussicum)	-		-	-	+	+	+	-	+	-	0	-	-	-																		
H. echioides	-		-	+	+	+	+	-	+	-	1	-	-	-																		
H. x fallax	-		-	+	+	+	+	-	+	-	1	-	-	-																		
H. flagellare	-		-	+	+	+	+	-	+	-	0	-	-	-																		
H. x florentoides (H. aridum)	-		-	-	-	-	-	-	-	+	1	-	-	-																		
H. fuscocinereum	-		-	+	-	+	-	-	+	-	3	3	-	+																		
H. glaucinum	-		-	-	-	-	-	-	-	+	1	-	-	-																		
H. lactucella (Pilosella lactucella)	+	+	+	+	+	+	+	+	+	+	1	1	+	+																		
H. maculatum	-		-	-	-	-	-	-	-	+	1	-	-	-																		
H. piloselloides	-		-	+	+	-	+	+	+	+	2	0	-	-																		
H. praealtum ssp. bauhinii (H. bauhinii)	-		-	+	-	+	+	-	+	-	1	-	-	-																		
H. racemosum	-		-	-	-	-	-	-	-	?	-	-	-	-																		
H. x schultesii	-		-	+	-	+	+	-	+	-	0	-	-	-																		
H. x sulphureum	-		-	-	-	-	-	-	-	-	1	-	-	-																		
Hierochloë australis	-	+	2	+	1	+	+	3	-	-	-	-	-	-																		
H. odorata	+	+	+	+	+	+	+	3	2	4	+	+																				
Hippophaë rhamnoides	+	+	-	-	-	a	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hippuris lanceolata RETZ. ¹⁵	+	+	-	0	-	-	-	-	-	-	-	-	-	-																		
H. tetraphylla	4	4	1	-	-	-	-	-	-	-	-	-	-	-																		

Å L F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	L	A	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
<i>H. vulgaris</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1			4	+	+						
<i>Holcus mollis</i>	+	+		3		2	+		2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Holoschoenus</i> ; see <i>Scirpus</i>																																	
<i>Holosteum umbellatum</i>	-	-	-	-	-	-	+			1	+					1	+	+	+	+	+	4		1		3		3					
<i>Hordelymus europaeus</i> ³	-	-	-	-	-	1			1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3	
<i>Hordeum marinum</i>	-	-	-	-	-	-			a	-						a	-		a	-				0		0		a					
<i>H. secalinum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			a				1		-	+		1						
<i>Hornungia petraea</i>	-	-	-		+	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+		
<i>Hottonia palustris</i>	-	-		3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	
<i>Huperzia selago</i>	-	+		4	+	4			2	+	+	+	+	+	+	+	+	+	+	+	+	1		1		2	+						
<i>Hydrilla verticillata</i>	-	-	-	-	-	1			2	-						3	-							-	-	-	-	-	-	-	-	-	
<i>Hydrocharis morsus-ranae</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	
<i>Hydrocotyle vulgaris</i>	-	-	-	+		3			0	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	
<i>Hyoscyamus niger</i>	+	+	+	+	+	a	+	-	+	+	+	+	+	+	+	+	+	+	+	+	2		2		a	+							
<i>Hypericum elegans</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				3	-			-	-	-	-	-	-	-	-	-	-	
<i>H. hirsutum</i>	+	+	-	+		3			3	+	+	+	+	+	+	+	+	+	+	+	0		2	+	+	4							
<i>H. humifusum</i>	-	-	-		0	-	?	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	2								
<i>H. maculatum</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	+	
<i>H. montanum</i>	-		1	-		1	-		3	+	+	+	+	+	+	+	+	+	+	+	+	2	+	+	+	+	+	+	+	+	+	+	
<i>H. pulchrum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+					1		4	+	+	2							
<i>Hypochoeris glabra</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+					2		2	+	+	2							
<i>H. maculata</i> (<i>Trommsdorffia maculata</i>)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1		1	+	+	+	+	+	+	+	+	+	
<i>H. radicata</i>	a	a		3	+	+	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Ilex aquifolium</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+	0	
<i>Illecebrum verticillatum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+					1		1		1		1						
<i>Inula britannica</i>	-		a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4		2	+	+	+	+	+	+	+	+	+	
<i>I. conyza</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*				+	+	+	+	2		a						
<i>I. ensifolia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+					+	-	-	-	-	3							
<i>I. germanica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					0	-	-	-	-	-	-	-	-	-	-	-	-	
<i>I. salicina</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1		0	+	+	+	+	+	+	+	+	+	
<i>Iris aphylla</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					1	-	-	-	-	-	-	-	-	-	-	-	-	
<i>I. graminea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					0	-	-	-	-	-	-	-	-	-	-	-	-	
<i>I. sibirica</i>	-	-		3	+	3			2	1						2				2	1		0		a	-							
<i>I. spuria</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		2					
<i>Isatis tinctoria</i>	+	+	+	+	+	+			a	+	+	+	+	+	+	+	+	+	+	+	-		a	-	3	+							
<i>Isoetes echinospora</i> (<i>I. setacea</i>)	-	+		4	1	1	-	-	-	-	-	-	-	-	-					1	-		0		1	+							
<i>I. lacustris</i>	3	+		4	2	2	1	-	-	2						-				2		0		1		2	+						
<i>Isolepis</i> ; see <i>Scirpus</i>																																	
<i>Isopyrum thalictroides</i>	-	-	-	-	-	-			1	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Jasione montana</i>	0	+		4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Jovibarba sobolifera</i>	-	-		3	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Juncus acutiflorus</i>	-		a	-	-	-	-	-	-	-	-	-	-	-	-					3		2		4	+	-							

Å L A F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>J. alpinus ssp. alpinus</i> ¹¹	+	+	+	+	+	+	+	+	+	2	0	2	+
<i>J. alpinus ssp. nodulosus</i> ¹¹	+	+	2	+	+	-	-	-	-	-	-	2	+
<i>J. anceps</i>	-	-	-	0	-	-	-	-	-	-	2	+	2
<i>J. arcticus</i> × <i>filiformis</i>	-	3	-	-	-	-	-	-	-	-	-	-	+
<i>J. atratus</i>	-	-	-	-	0	-	-	2	-	-	-	-	-
<i>J. balticus</i> (<i>J. arcticus ssp. balticus</i>)	1	+	+	+	+	+	+	+	1	1	+	+	+
<i>J. bulbosus ssp. bulbosus</i>	+	+	3	3	+	+	-	+	2	+	+	+	+
<i>J. bulbosus ssp. kochii</i> (F. W. SCHULTZ) REICHG.	-	-	-	-	-	-	-	-	1	-	+	-	-
<i>J. capitatus</i>	-	-	0	-	1	?	+	+	1	1	3	2	2
<i>J. conglomeratus</i>	+	+	+	+	+	+	+	+	4	+	+	+	+
<i>J. filiformis</i>	+	+	+	+	+	+	+	+	1	4	+	+	+
<i>J. gerardii</i>	+	+	+	+	3	3	+	+	2	+	+	+	+
<i>J. inflexus</i>	-	a	-	2	+	+	-	+	+	+	+	+	3
<i>J. maritimus</i>	-	-	-	-	-	-	-	+	+	3	+	+	+
<i>J. pygmaeus</i>	-	-	-	-	-	-	-	-	-	1	+	-	-
<i>J. squarrosus</i>	-	a	2	1	+	+	+	+	2	+	+	+	+
<i>J. stygius</i>	-	+	2	3	2	1	-	0	-	-	-	-	+
<i>J. subnodulosus</i>	-	-	-	2	1	-	-	2	4	4	+	4	4
<i>J. tenageia</i>	-	-	-	-	-	-	-	3	2	1	-	-	-
<i>J. triglumis</i>	-	+	-	-	-	-	-	2	-	-	-	-	+
<i>Juniperus communis</i>	+	+	+	+	+	+	+	+	+	2	+	+	+
<i>J. sabina</i>	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>Jurinaea cyanoides</i>	-	-	-	-	-	-	-	-	0	-	-	-	-
<i>Kickxia elatine</i>	-	-	-	-	-	-	-	a	0	1	a	1	1
<i>Kobresia myosuroides</i>	-	3	-	-	-	-	-	-	-	-	-	-	+
<i>K. simpliciuscula</i>	-	2	-	-	-	-	-	-	-	-	-	-	+
<i>Koeleria delavignei</i>	-	-	3	-	-	3	-	-	-	-	-	-	-
<i>K. glauca</i>	-	-	4	+	+	+	+	+	2	1	+	+	+
<i>K. grandis</i> (<i>K. pyramidata var. polonica</i>)	-	-	4	+	+	+	-	+	-	-	-	-	1
<i>K. macrantha</i> (<i>K. gracilis</i>)	-	-	2	3	+	-	+	+	4	-	a	4	4
<i>K. pyramidata</i>	-	-	3	?	+	+	-	-	2	-	3	a	a
<i>Kohlrauschia</i> ; see <i>Petrorrhagia</i>													
<i>Lactuca quercina</i>	-	-	-	-	-	-	-	-	-	-	-	-	1
<i>L. sibirica</i> (<i>Mulgedium sibiricum</i>)	-	+	+	2	a	-	-	-	-	-	-	-	+
<i>L. tatarica</i>	-	a	a	a	a	a	+	a	a	3	a	a	a
<i>Lamium moluccellifolium</i> (<i>L. confertum</i>)	+	+	3	-	+	-	-	-	1	-	+	+	+
<i>Lappula deflexa</i>	-	3	-	-	-	-	-	-	-	-	-	-	+
<i>L. squarrosa</i>	a	a	a	-	a	a	-	-	1	0	a	3	3
<i>Laserpitium archangelica</i>	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>L. latifolium</i>	+	2	-	+	3	2	+	+	-	-	1	+	+
<i>L. prutenicum</i>	-	-	-	1	1	+	+	+	1	0	-	-	-
<i>Lastrea</i> ; see <i>Dryopteris</i> , <i>Thelypteris</i> , <i>Gymnocarpium</i>													

Å LA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	L	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Lathraea squamaria</i>	+	3	3	+	+	+	+	+	+	+	+	+	+
<i>Lathyrus heterophyllus</i>	-	-	-	-	-	-	-	-	+	-	-	-	4
<i>L. japonicus ssp. maritimus</i> (<i>L. maritimus</i>)	3	+	+	4	3	+	3	+	+	4	+	+	+
<i>L. laevigatus</i>	-	-	2	-	-	2	+	+	-	-	-	-	-
<i>L. latifolius</i>	-	-	-	-	-	-	-	3	a	+	a	a	a
<i>L. montanus</i> (<i>L. linifolius</i>)	+	+	2	?	3	+	+	+	+	+	+	+	+
<i>L. niger</i>	3	+	-	3	+	+	+	+	+	+	1	+	+
<i>L. nissolia</i>	-	-	-	-	-	-	-	3	-	-	-	-	a
<i>L. palustris</i>	4	+	+	+	+	+	+	2	4	2	+	+	+
<i>L. pannonicus</i>	-	-	-	-	-	-	-	2	-	-	-	-	-
<i>L. pisiformis</i>	-	-	1	+	1	1	-	3	-	-	-	-	-
<i>L. sphaericus</i>	-	-	-	-	-	-	-	-	-	-	3	1	1
<i>L. sylvestris</i>	3	+	+	+	+	+	+	+	+	+	+	+	+
<i>L. tuberosus</i>	-	a	a	a	a	a	a	a	-	3	a	2	2
<i>L. vernus</i>	+	+	+	+	+	+	+	+	+	2	+	+	+
<i>Lavatera thuringiaca</i>	-	a	a	a	a	a	+	+	-	-	-	2	2
<i>Ledum palustre</i>	+	+	+	+	+	+	+	+	4	2	3	+	+
<i>Leersia oryzoides</i>	-	1	4	+	+	+	+	+	0	0	0	2	2
<i>Legousia hybrida</i>	-	-	-	-	-	-	-	a	-	0	a	a	a
<i>Lemna gibba</i>	3	+	3	+	+	+	+	+	+	+	+	+	+
<i>Leontodon hispidus ssp. danubialis</i> (<i>ssp. hastilis</i>)	-	-	+	+	+	-	-	+	4	-	-	-	-
<i>L. hispidus ssp. hispidus</i>	a	+	+	+	+	+	+	+	4	4	+	+	+
<i>L. taraxacoides</i> (<i>L. saxatilis</i>) ³	-	-	-	-	-	-	-	+	2	4	3	1	1
<i>Leonurus cardiaca</i>	0	+	3	a	a	+	+	+	+	2	a	4	4
<i>L. marrubiastrum</i>	-	-	-	-	-	-	-	+	2	1	-	-	-
<i>Lepidium campestre</i>	4	0	a	-	a	a	a	a	+	+	a	4	4
<i>L. latifolium</i>	4	3	a	+	a	a	-	a	0	3	a	+	+
<i>Lepidotis inundata</i> (<i>Lycopodium inundatum</i> , <i>Lycopodiella inundata</i>)	3	+	3	2	2	1	-	2	2	2	+	+	+
<i>Leucanthemum vulgare</i>	+	+	+	+	+	+	+	+	2	+	+	+	+
<i>Leucojum vernum</i>	-	-	-	-	-	-	-	2	a	-	a	-	-
<i>Leucorchis albida</i> ; see <i>Pseudorchis albida</i>													
<i>Ligularia sibirica</i>	-	-	2	2	1	-	-	1	-	-	-	-	-
<i>Ligusticum scoticum</i>	2	+	-	-	-	-	-	-	-	+	3	+	+
<i>Lilium martagon</i>	a	a	a	a	a	+	1	+	1	a	a	a	a
<i>Limonium vulgare</i>	-	-	-	-	-	-	-	-	2	+	+	4	4
<i>Limosella aquatica</i>	+	+	+	+	+	+	+	+	4	2	1	+	+
<i>Linaria arvensis</i>	-	-	-	-	-	-	-	+	0	0	-	-	-
<i>L. loeselii</i>	-	-	-	-	3	+	2	2	-	-	-	-	-
<i>Lindernia procumbens</i> (<i>L. pyxidaria</i>)	-	-	-	-	-	-	-	1	-	-	-	-	-
<i>Linnaea borealis</i>	+	+	+	+	+	+	1	+	2	1	3	+	+
<i>Linum austriacum</i>	-	-	-	-	-	-	-	3	-	-	a	a	a
<i>L. catharticum</i>	+	+	+	+	+	+	+	+	4	4	+	+	+

Å L FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>L. hirsutum</i>	-	-	-	-	-	-	-	2	-	-	-	-	-
<i>Liparis loeselii</i>	1	a	1	3	3	2	1	2	2	0	2	3	
<i>Listera cordata</i>	+	+	3	+	3	2	1	+	1	0	3	+	
<i>L. ovata</i>	+	+	4	+	+	+	2	+	4	+	+	+	
<i>Lithospermum arvense</i> L. <i>ssp. arvense</i>	1	4	+	a	a	a	a	+	+	2	a	4	
<i>L. arvense ssp. coerulescens</i> (DC.) ROTHM.	-	-	-	-	-	-	-	+	1	-	-	3	
<i>L. officinale</i>	-	a	3	+	2	+	+	+	1	1	+	+	
<i>L. purpureo-caeruleum</i> L.	-	-	-	-	-	-	-	3	-	-	-	-	
<i>Littorella uniflora</i>	3	+	1	1	2	-	1	3	1	2	+	+	
<i>Lobelia dortmanna</i>	+	+	4	2	2	1	-	2	0	1	3	+	
<i>Logfia arvensis</i> (Filago arvensis)	+	+	+	+	+	+	+	+	2	4	a	+	
<i>L. minima</i> (Filago minima)	-	-	+	+	1	+	-	-	2	4	+	+	
<i>Lolium remotum</i>	0	0	0	a	a	a	a	1	1	0	a	0	
<i>L. temulentum</i>	a	a	+	+	a	a	-	a	0	1	a	0	
<i>Lonicera caerulea ssp. pallasii</i> (L. pallasii)	-	2	4	+	3	-	-	-	-	-	-	-	
<i>Lotus tenuis</i> (L. glaber)	-	a	-	-	-	-	-	+	2	+	+	+	
<i>Ludwigia palustris</i>	-	-	-	-	-	-	-	0	-	0	-	-	
<i>Lunaria rediviva</i>	-	-	2	3	4	2	1	+	-	-	3	4	
<i>Luronium natans</i> (Elisma natans)	-	-	-	-	-	-	-	2	1	1	1	1	
<i>Luzula campestris</i>	+	+	3	+	+	+	+	+	4	+	+	+	
<i>L. luzuloides</i> (L. albida)	a	a	4	a	a	a	+	+	a	3	a	a	
<i>L. multiflora ssp. congesta</i>	-	-	-	-	-	-	-	-	-	+	+	3	
<i>L. pallescens</i>	+	+	+	+	+	+	+	+	0	-	-	+	
<i>L. sylvatica</i>	-	-	1	-	-	-	-	+	-	3	+	3	
<i>Lychnis alpina</i>	-	+	1	-	-	-	-	-	-	-	-	+	
<i>L. alpina var. serpentinicola</i> (RUNE) S. ERICSSON	-	3	-	-	-	-	-	-	-	-	-	+	
<i>L. flos-cuculi</i>	+	+	+	+	+	+	+	+	2	+	+	+	
<i>L. viscaria</i>	+	+	+	+	+	+	+	+	2	4	+	+	
<i>Lycopodiella</i> ; see <i>Lepidotis</i>													
<i>Lycopodium</i> ; see also <i>Diphasium</i> , <i>Huperzia</i> , <i>Lepidotis</i>													
<i>Lycopodium annotinum</i>	+	+	+	+	4	+	+	+	+	2	+	+	
<i>L. clavatum</i>	+	+	+	+	4	+	+	+	2	2	+	+	
<i>Lysimachia nemorum</i>	-	-	-	-	-	-	-	+	+	+	+	2	
<i>L. thyrsoflora</i>	+	+	+	+	+	+	+	+	+	4	+	+	
<i>Lythrum hyssopifolia</i>	-	-	-	-	-	-	-	2	1	0	-	-	
<i>L. portula</i> (Peplis portula)	+	+	+	+	+	2	0	+	4	2	+	+	
<i>L. virgatum</i>	-	-	-	-	-	-	-	?	-	-	-	-	
<i>Malaxis</i> ; see <i>Microstylis</i>													
<i>Malus sylvestris</i>	4	4	+	+	+	+	+	+	+	4	+	+	
<i>Malva alcea</i>	-	-	-	a	a	a	+	+	+	4	+	3	
<i>M. pusilla</i>	4	4	+	a	a	+	+	+	-	2	a	2	
<i>M. sylvestris</i>	+	+	+	a	+	+	+	+	+	4	a	+	
<i>Marrubium vulgare</i>	-	-	-	-	-	a	a	+	1	0	a	1	

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	Å	L	F	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
Marsilea quadrifolia	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Matricaria maritima ssp. maritima	+	+	a	+	-	+	+	+	+	+	+	+	+	2	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
M. maritima ssp. subpolaris	-	+	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	
Matteuccia struthiopteris	+	+	+	+	+	+	+	+	+	+	+	+	+	a	a	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Medicago minima	-	a	-	-	-	-	-	-	-	-	-	-	-	+	-	1	3	3	+	+	+	+	+	+	+	+	+	+	+	+	
M. sativa ssp. falcata	a	a	+	+	+	+	+	+	+	+	+	+	+	+	+	2	a	+	+	+	+	+	+	+	+	+	+	+	+	+	
Melampyrum arvense	-	3	-	+	-	-	-	+	+	+	+	+	+	2	0	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	
M. cristatum	+	4	4	+	+	-	+	3	1	1	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
M. nemorosum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
M. saxosum	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M. sylvaticum	+	+	+	+	+	-	-	-	+	-	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Melandrium; see Silene																															
Melica ciliata	-	1	-	0	-	-	-	-	?	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	
M. nutans	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
M. picta	3	3	2	-	-	-	-	-	a	-	-	-	-	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M. uniflora	2	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Melilotus altissimus	a	2	a	a	a	a	a	-	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
M. dentatus	-	a	-	+	-	-	-	-	+	2	1	3	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Melittis melissophyllum	-	-	-	-	-	1	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mentha aquatica var. aquatica	1	0	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
M. aquatica var. litoralis (HARTMAN) C. A. WEST	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	
M. arvensis ssp. austriaca (JACQ.) BRIQ.	-	-	+	+	+	+	+	-	+	?	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M. arvensis ssp. parietariifolia (BECK.) BRIQ.	-	-	-	-	+	+	-	+	?	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M. x gentilis s. lat.	3	+	+	-	+	-	-	+	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
M. longifolia	-	-	a	a	a	a	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3	
M. pulegium	-	-	-	-	-	a	-	+	1	1	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M. suaveolens	-	-	-	-	-	-	-	-	a	-	a	a	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Menyanthes trifoliata	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mercurialis annua	-	-	a	-	-	-	+	+	+	+	+	+	+	+	+	3	a	a	+	+	+	+	+	+	+	+	+	+	+	a	
Mercurialis perennis	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mertensia maritima	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3	
Meum athamanticum	-	-	2	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	a	a	
Microstylis monophyllos (Malaxis monophyllos)	1	2	4	3	3	2	1	3	0	-	-	-	-	3	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
Mimulus guttatus	-	a	2	a	a	a	a	a	a	a	a	3	a	a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	a	a	
Minuartia setacea	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
M. viscosa	-	-	-	-	-	-	-	-	+	0	1	0	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	0	1	
Misopates orontium	-	-	-	-	-	-	-	-	a	1	2	a	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	a	1	
Moehringia lateriflora	-	4	3	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
Molinia caerulea ssp. arundinacea (ssp. litoralis)	-	-	-	+	-	-	-	-	+	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Moneses uniflora	+	+	+	+	+	+	+	+	+	2	0	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Monotropa hypopitys s. lat.	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Montia fontana (M. minor) s. lat.	+	+	3	2	3	1	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
M. fontana ssp. amporitana	-	-	+	-	-	-	-	-	+	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Å L F N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	L	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>M. fontana ssp. chondrosperma</i> (<i>M. arvensis</i>)	-	-	-	-	-	-	-	-	+	2		+	3
<i>Mulgedium</i> ; see <i>Lactuca</i>													
<i>Muscari comosum</i>	-	-	-	-	-	-	-	-	3	-	-	a	-
<i>Myosotis discolor</i>	-	-	-	-	-	a	-	-	+	2	+	+	+
<i>M. laxa ssp. baltica</i>	+	+	3	+	+	-	-	-	+	-	-	+	3
<i>M. nemorosa</i> (<i>M. scorpioides ssp. multiflora</i>)	-	4	-	-	-	-	-	-	-	-	-	-	-
<i>M. ramosissima</i>	+	+	2	+	+	+	+	+	+	-	+	+	+
<i>M. scorpioides ssp. laxiflora</i> (REICHENB.)	-	-	-	-	-	-	-	-	+	?	-	-	-
<i>M. scorpioides ssp. praecox</i> (HÜLPH.) JONSELL									3	?			+
<i>M. sparsiflora</i>	-	a	+	+	3	+	-	-	+	1	-	-	-
<i>M. stenophylla</i>	-	-	-	-	-	-	-	-	0	-	-	-	-
<i>Myrica gale</i>	+	+	3	4	4	1	-	-	+	4	4	+	+
<i>Myricaria germanica</i>	-	3	-	-	-	-	-	-	+	-	-	a	+
<i>Myriophyllum alterniflorum</i>	+	+	4	1	2	1	-	-	+	2	1	+	+
<i>M. spicatum</i>	+	+	+	+	+	+	+	+	+	+	4	+	+
<i>M. verticillatum</i>	+	+	+	+	+	+	+	+	+	2	4	+	+
<i>Myrrhis odorata</i>	a	a	-	a	-	-	-	-	a	+	1	a	+
<i>Najas flexilis</i> (<i>Caulinia flexilis</i>)	-	1	1	1	1	-	-	-	2	-	-	0	1
<i>N. marina ssp. intermedia</i> (GORSKI) CASPER ¹⁷	+	+	2	3	-	2	-	-	-	2	-	0	+
<i>N. marina ssp. marina</i> ¹⁷	-	-	1	-	2	2	-	-	+	1	1	-	-
<i>N. minor</i>	-	-	-	-	1	?	-	-	2	1	-	-	-
<i>N. tenuissima</i>	-	2	1	-	-	-	-	-	-	-	-	-	-
<i>Nardosmia</i> ; see <i>Petasites</i>													
<i>Nardus stricta</i>	+	+	+	+	+	+	+	+	+	2	+	+	+
<i>Narthecium ossifragum</i>	-	-	-	-	-	-	-	-	-	-	4	+	+
<i>Nasturtium microphyllum</i> (<i>Rorippa microphylla</i>)	-	-	-	-	-	-	-	-	3	+	+	+	1
<i>N. officinale</i> (<i>Rorippa nasturtium-aquaticum</i>)	-	-	-	-	-	a	-	-	+	+	+	3	2
<i>Neottia nidus-avis</i>	+	3	4	+	+	+	+	2	+	+	4	+	+
<i>Neottianthe cucullata</i>	-	-	-	-	1	2	0	2	-	-	-	-	-
<i>Nepeta cataria</i>	a	a	a	a	a	a	a	a	a	1	1	a	1
<i>Neslia paniculata</i>	a	a	+	a	+	a	a	a	a	1	1	a	4
<i>Nigella arvensis</i>	-	-	-	-	-	-	-	-	a	0	-	-	-
<i>Nigritella nigra</i>	-	-	-	-	-	-	-	-	-	-	-	-	2
<i>Nonea versicolor</i>	-	-	-	-	-	-	-	-	-	-	-	a	3
<i>Nuphar pumila</i>	0	+	+	2	3	2	1	+	+	1	-	3	+
<i>Nymphaea alba</i>	+	+	4	+	4	2	+	+	+	+	+	+	+
<i>N. candida</i>	+	+	+	+	4	+	+	+	+	-	-	-	+
<i>N. tetragona</i>	-	+	2	-	-	-	-	-	-	-	-	-	-
<i>Nymphoides peltata</i>	-	-	-	-	0	1	1	2	1	1	1	a	+
<i>Odontites verna ssp. litoralis</i>	+	+	-	+	+	-	-	-	+	2	+	+	+
<i>O. verna ssp. serotina</i> (<i>O. vulgaris</i>)	+	+	+	+	+	+	-	-	+	4	-	+	+
<i>O. verna ssp. verna</i>	0	1	0	-	+	+	-	-	+	4	4	+	+
<i>Oenanthe aquatica</i>	1	3	+	+	+	+	+	+	+	+	+	+	+

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	Å	Ä	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>O. conioides</i>	-	-	-	-	-	-	-	-	-	-	1	-	-
<i>O. fistulosa</i>	-	-	-	-	-	-	-	-	+	2	4	+	2
<i>O. fluviatilis</i>	-	-	-	-	-	-	-	-	-	-	-	1	-
<i>O. lachenalii</i>	-	-	-	-	-	-	-	-	1	2	2	3	2
<i>Oenothera ammophila</i>	-	-	-	-	-	+	+	+	+	+	3	3	-
<i>Onobrychis arenaria</i>	-	-	3	3	3	+	-	+	-	-	-	-	-
<i>O. montana</i>	-	-	-	-	-	-	-	-	3	-	-	-	-
<i>O. viciifolia</i>	-	-	a	a	+	a	-	+	2	-	a	a	
<i>Ononis arvensis</i>	-	1	+	+	+	+	+	+	+	+	0	3	3
<i>O. spinosa ssp. spinosa</i> (<i>O. campestris</i>)	-	-	-	-	-	a	-	+	+	+	+	+	3
<i>Onopordum acanthium</i>	a	a	2	a	a	a	a	a	a	+	2	a	4
<i>Ophioglossum azoricum</i>	-	-	-	-	-	-	-	2	-	-	-	-	-
<i>O. vulgatum</i>	+	+	4	+	+	+	1	+	2	2	2	+	+
<i>Ophrys apifera</i>	-	-	-	-	-	-	-	-	-	0	-	-	-
<i>O. insectifera</i>	1	1	1	3	1	-	-	3	1	-	1	+	
<i>Orchis coriophora</i>	-	-	-	0	-	-	-	1	0	-	-	-	-
<i>O. laxiflora ssp. palustris</i> (<i>O. palustris</i>)	-	-	-	-	-	-	-	2	1	0	-	-	3
<i>O. mascula</i>	3	-	-	2	4	2	1	2	+	4	+	+	+
<i>O. militaris</i>	-	a	2	4	3	1	1	2	1	-	1	+	
<i>O. morio</i>	-	-	-	2	1	2	0	2	1	1	1	2	+
<i>O. pallens</i>	-	-	-	-	-	-	-	2	-	-	-	-	-
<i>O. purpurea</i>	-	-	-	-	-	-	-	2	3	-	2	-	-
<i>O. tridentata</i>	-	-	-	-	-	-	-	0	-	-	-	-	-
<i>O. ustulata</i>	-	-	0	2	2	1	1	1	-	-	1	+	
<i>Oreopteris; see Thelypteris</i>													
<i>Origanum vulgare</i>	+	+	+	+	+	+	+	+	+	+	2	+	+
<i>Ornithogalum dalmaticum</i> SPETA	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>O. orthophyllum ssp. kochii</i>	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>Ornithopus perpusillus</i>	-	-	-	-	-	a	1	+	+	+	+	+	3
<i>Orobanche alba</i>	-	-	-	-	-	-	-	+	1	-	-	-	3
<i>O. alsatica</i>	-	-	-	+	+	-	-	3	-	-	-	-	-
<i>O. arenaria</i>	-	-	-	-	-	-	-	0	1	-	-	-	-
<i>O. caryophyllacea</i>	-	-	-	-	-	-	-	+	2	-	-	-	-
<i>O. coerulescens</i>	-	-	-	-	-	-	+	0	-	-	-	-	-
<i>O. elatior</i>	-	-	-	+	2	-	-	?	1	0	2	2	
<i>O. gracilis</i>	-	-	-	-	-	-	-	?	-	-	-	-	-
<i>O. loricata</i> (<i>incl. O. picridis</i>)	-	-	-	-	-	-	-	1	1	-	0	0	
<i>O. lutea</i>	-	-	-	-	-	-	-	+	0	-	-	-	-
<i>O. minor</i>	-	-	-	-	-	-	-	?	-	-	a	3	
<i>O. purpurea</i>	-	-	-	-	-	-	+	3	1	1	+	1	
<i>O. ramosa</i>	-	-	-	-	-	+	-	3	0	-	-	-	-
<i>O. reticulata</i> (<i>incl. O. pallidiflora</i>)	-	-	3	+	2	+	-	0	1	-	1	1	
<i>O. teucrii</i>	-	-	-	-	-	-	-	?	-	-	-	-	-

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<i>Orthilia secunda</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Osmunda regalis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Oxycoccus</i> ; see <i>Vaccinium</i>																																				
<i>Oxytropis campestris ssp. campestris</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>O. campestris ssp. sordida</i>	-	+	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>O. carpatica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>O. halleri ssp. halleri</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>O. lapponica</i>	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>O. pilosa</i>	-	-	1	2	+	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Papaver argemone</i>	a	a	-	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	
<i>P. dubium</i>			+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>P. laestadianum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. radicatum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Parapholis strigosa</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Parietaria officinalis</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Parnassia palustris</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Pedicularis exaltata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. hacquetii</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. kaufmanii</i>	-	-	-	-	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. palustris ssp. opsiantha</i>	-	+	3	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. palustris ssp. palustris</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>P. sceptorum-carolinum</i>	-	+	3	+	2	1	1	2	0	-	0	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. sudetica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. sylvatica</i>	-	-	-	-	1	1	0	+	1	2	+	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Pentaphylloides fruticosa</i> ; see <i>Potentilla fruticosa</i>																																				
<i>Peplis portula</i> ; see <i>Lythrum portula</i>																																				
<i>Petasites albus</i>	-	-	-	-	-	-	-	1	+	1	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>P. frigidus</i> (<i>Nardosmia frigida</i>)	-	+	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. spurius</i>	a	2	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Petrorhagia prolifera</i>	-	-	-	-	-	-	-	1	+	+	1	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Peucedanum cervaria</i>	-	-	-	-	-	-	-	2	+	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. officinale</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. oreoselinum</i>	-	-	3	1	+	+	+	+	+	+	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Phippsia concinna</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Phleum alpinum</i>	-	+	1	-	-	-	-	+	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. arenarium</i>	-	-	-	-	1	-	-	-	-	-	1	2	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. phleoides</i>	3	1	3	+	+	+	+	+	+	+	4	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Phyllitis scolopendrium</i>	-	-	-	-	-	-	-	-	-	-	+	-	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Phyteuma nigrum</i>	-	a	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<i>P. orbiculare</i>	-	-	1	-	1	-	1	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>P. spicatum</i>	-	a	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Pilosella</i> ; see <i>Hieracium</i>																																				

Å L A F I N L E N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	L	E	L	L	K	P	M	S	D	S	
	ALA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Pilularia globulifera</i>	-	3	-	-	-	-	-	1	0	1	3	4
<i>Pimpinella major</i>	-	1	4	+	+	+	+	+	4	+	+	2
<i>P. saxifraga ssp. nigra</i> (MILL.) GAUD.	-	-	-	-	-	-	-	+	+	-	-	2
<i>Pinguicula alpina</i>	-	+	-	1	1	-	-	+	-	-	-	+
<i>P. vulgaris</i> (<i>s. lat.</i>)	4	+	3	+	3	2	-	+	2	1	+	+
<i>P. vulgaris ssp. bicolor</i> (WOL.) A. D. LÖVE	-	-	-	-	-	-	-	1	-	-	-	-
<i>Pinus uliginosa</i> K. NEUMAN	-	-	-	-	-	-	-	2	-	-	-	-
<i>Plantago arenaria</i> (<i>P. indica</i> , <i>P. scabra</i> MOENCH)	-	a	a	a	a	+	+	+	+	1	a	a
<i>P. atrata</i>	-	-	-	-	-	-	-	3	-	-	-	-
<i>P. coronopus</i>	-	-	-	-	-	-	-	1	2	+	+	+
<i>P. maritima</i>	+	+	3	+	2	-	-	+	2	+	+	+
<i>P. media</i>	+	+	+	+	+	+	+	+	4	2	+	+
<i>Platanthera bifolia s. lat.</i>			4		4	+	2			1		
<i>P. bifolia ssp. bifolia</i>				-				+	2		+	+
<i>P. bifolia ssp. latiflora</i> (DREJER) LØJTN. (<i>P. bifolia ssp. gracilliflora</i> BISSE)	+	+		+				-	2		2	+
<i>P. chlorantha</i>	+	+	3	+	4	2	1	+	+	4	+	+
<i>P. obtusata</i>	-	-	-	-	-	-	-	-	-	-	-	1
<i>Pleurospermum austriacum</i>	-	-	-	3	-	-	-	+	-	-	a	3
<i>Poa</i> ; see also <i>Bellardiachloa</i>												
<i>Poa alpina</i>	-	+	-	2	-	-	-	+	-	-	-	+
<i>P. bulbosa</i>	-	a	-	-	-	-	-	+	1	-	+	+
<i>P. crispa</i> THUILL. (<i>P. bulbosa ssp. crispa</i>)	-	-	a	1	a	-	-	+	-	-	-	-
<i>P. glauca</i>	-	+	-	-	-	-	-	?	-	-	-	+
<i>P. nobilis</i>	-	-	-	-	-	-	-	3	-	-	-	-
<i>P. remota</i>	-	+	+	+	+	3	+	+	3	3	2	4
<i>P. subcaerulea</i> (<i>P. pratensis ssp. irrigata</i>)	+	+	+	+	+	-	-	+	4	+	+	+
<i>P. supina</i>	1	a	2	-	-	-	-	+	-	-	3	+
<i>Podospermum</i> ; see <i>Scorzonera</i>												
<i>Polemonium caeruleum</i>	+	+	4	+	+	+	1	+	3	-	1	+
<i>Polycnemum arvense</i>	-	-	-	-	-	a	-	+	0	-	-	-
<i>Polygala amarella</i>	+	2	+	+	+	+	+	+	1	0	3	+
<i>P. comosa</i>	2	-	+	+	+	+	+	+	1	-	-	4
<i>P. hybrida</i> DC.	-	-	-	-	-	-	-	?	-	-	-	-
<i>P. serpyllifolia</i>	-	-	-	-	-	-	-	-	0	1	+	-
<i>P. vulgaris</i>	+	4	+	+	+	+	+	+	2	4	+	+
<i>P. oxyptera</i>				-				+	0			
<i>Polygonatum odoratum</i>	+	+	+	+	+	+	+	+	+	2	+	+
<i>P. verticillatum</i>	-	-	a	-	3	+	+	+	-	1	+	+
<i>Polygonum bistorta</i>	-	2	4	+	+	+	+	+	2	4	a	a
<i>P. brittingeri</i> (<i>P. lapatifolium ssp. danubiale</i>)	-	-	-	-	-	-	-	+	?	3	-	-
<i>P. foliosum</i>	-	+	3	-	-	-	-	-	-	-	-	3
<i>P. mite</i>	-	-	3	-	3	+	+	+	+	+	-	-

Å LA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	L	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>P. norvegicum</i> (<i>P. raii</i> ssp. <i>norvegicum</i>)	-	-	-	-	-	-	-	-	-	-	-	3	-
<i>P. oxyspermum</i> ssp. <i>oxyspermum</i>	0	2	2	+	0	-	-	0	0	1	2	1	
<i>P. oxyspermum</i> ssp. <i>raii</i>	-	?	-	-	-	-	-	-	-	1	3	-	
<i>P. rurivagum</i> (<i>P. aviculare</i> ssp. <i>rurivagum</i>)	-	-	3	-	-	-	-	-	?	-	-	-	+
<i>P. viviparum</i>	+	+	4	+	1	-	-	+	-	-	0	+	
<i>Polypodium interjectum</i>	-	-	-	-	-	-	-	?	+	-	+	-	
<i>P. vulgare</i>	+	+	4	+	+	+	2	+	+	+	+	+	
<i>Polystichum aculeatum</i>	-	0	3	-	1	0	-	+	1	0	1	2	
<i>P. braunii</i>	-	-	2	-	1	-	-	+	-	-	a	1	
<i>P. lonchitis</i>	-	+	-	1	+	-	-	+	-	-	a	+	
<i>Potamogeton acutifolius</i>	-	-	+	-	1	+	+	+	4	2	1	2	
<i>P. alpinus</i>	+	+	+	+	+	+	+	+	2	2	+	+	
<i>P. berchtoldii</i>	+	+	+	+	+	+	-	+	4	4	+	+	
<i>P. coloratus</i>	-	-	-	-	-	-	-	?	0	-	2	3	
<i>P. compressus</i>	2	+	+	+	+	+	+	+	2	2	+	+	
<i>P. crispus</i>	3	+	+	+	+	+	+	+	+	+	+	+	
<i>P. densus</i> ; see <i>Groenlandia densa</i>													
<i>P. filiformis</i>	+	+	+	+	+	+	-	+	1	1	+	+	
<i>P. friesii</i>	2	3	+	+	+	+	+	+	2	2	+	+	
<i>P. gramineus</i>	+	+	+	+	+	+	-	+	2	1	+	+	
<i>P. lucens</i>	0	+	+	+	+	+	+	+	+	4	+	+	
<i>P. x meinshausenii</i> JUZ.	-	-	3	3	-	?	-	-	-	-	-	-	
<i>P. x nitens</i> (<i>P. gramineus x perfoliatus</i>) ¹¹	+	+	-	+	+	+	+	-	1	0	-	-	
<i>P. nodosus</i>	-	-	-	-	-	+	+	+	0	0	-	-	
<i>P. obtusifolius</i>	+	+	+	+	+	+	+	+	2	2	+	+	
<i>P. polygonifolius</i>	3	3	-	-	-	-	-	2	1	2	+	+	
<i>P. praelongus</i>	+	+	+	+	+	+	+	+	1	2	+	+	
<i>P. pusillus</i> (<i>P. panoramitanus</i>)	+	+	+	+	+	+	+	+	4	4	+	+	
<i>P. rutilus</i>	-	3	+	+	3	+	1	+	0	1	2	3	
<i>P. trichoides</i>	-	-	1	1	1	+	+	+	2	4	2	1	
<i>P. x zizii</i> (<i>P. x angustifolius</i> ; <i>P. gramineus x lucens</i>)	4	+	-	+	+	+	-	+	1	0	+	+	
<i>Potentilla alba</i>	-	-	-	-	-	-	-	+	1	-	-	-	
<i>P. anglica</i>	-	4	-	-	+	-	-	+	+	+	+	+	
<i>P. bifurca</i>	-	a	a	-	a	a	-	a	-	-	-	1	
<i>P. chamissonis</i>	-	3	-	-	-	-	-	-	-	-	-	+	
<i>P. cinerea</i> (<i>P. arenaria</i>)	-	-	-	-	+	+	+	+	2	-	3	+	
<i>P. crantzii</i>	+	+	3	+	1	-	1	+	-	-	-	+	
<i>P. demissa</i>	-	-	-	-	-	-	-	+	-	4	-	-	
<i>P. erecta</i>	+	+	+	+	+	+	+	+	4	+	+	+	
<i>P. fruticosa</i>	-	-	-	+	1	-	-	a	-	-	a	+	
<i>P. heptaphylla</i>	-	-	-	-	-	-	+	+	4	0	3	3	
<i>P. hyparctica</i>	-	-	-	-	-	-	-	-	-	-	-	3	
<i>P. impolita</i> WAHL. (<i>P. argentea</i> ssp. <i>impolita</i>)	+	+	-	+	+	+	-	+	-	4	+	+	

Å L FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	ÅLA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>P. leucopolitana</i>	-	-	-	-	+	-	-	+	-	-	3	-
<i>P. multifida</i>	a	a	-	-	-	-	-	-	-	-	-	3
<i>P. nivea</i>	-	3	-	-	-	-	-	-	-	-	-	+
<i>P. norvegica</i>	+	+	+	+	+	+	+	+	1	2	2	+
<i>P. palustris</i>	+	+	-	+	-	+	+	+	4	+	+	+
<i>P. recta</i>	a	a	-	a	a	-	-	+	2	+	a	+
<i>P. sordida</i>	-	-	-	-	-	-	-	+	1	-	-	-
<i>P. sterilis</i>	-	-	-	-	-	-	-	2	1	4	+	2
<i>P. subarenaria</i>	2	2	-	+	+	-	-	-	-	-	+	+
<i>P. supina</i>	-	-	-	-	+	+	1	+	1	2	-	-
<i>P. tabernaemontani</i> (<i>P. neumanniana</i>)	2	1	-	+	-	-	-	+	2	1	+	+
<i>Poterium sanguisorba</i> ; see <i>Sanguisorba minor</i>												
<i>Primula elatior</i>	a	a	3	a	a	a	-	+	+	+	+	3
<i>P. farinosa</i>	4	0	3	+	3	2	1	1	1	0	2	+
<i>P. halleri</i> (<i>P. longifolia</i>)	-	-	-	-	-	-	-	0	-	-	-	-
<i>P. nutans</i>	-	4	-	-	-	-	-	-	-	-	-	3
<i>P. veris</i> ssp. <i>canescens</i> (ssp. <i>suaveolens</i>)	-	-	-	-	-	-	-	+	3	-	-	-
<i>P. veris</i> ssp. <i>veris</i>	+	+	+	+	+	+	+	+	4	4	+	+
<i>P. vulgaris</i>	-	-	-	-	-	-	-	1	0	4	+	0
<i>Prunella grandiflora</i>	-	-	-	-	1	2	-	+	1	-	1	+
<i>P. laciniata</i>	-	-	-	-	-	-	-	3	1	-	-	a
<i>Prunus fruticosa</i>	-	-	-	-	-	-	-	2	-	-	-	-
<i>P. padus</i> ssp. <i>borealis</i>	-	+	-	-	-	-	-	3	-	-	-	+
<i>P. spinosa</i>	+	2	3	3	2	2	+	+	+	+	+	+
<i>Pseudolysimachium</i> ; see <i>Veronica</i>												
<i>Pseudorchis albida</i> ssp. <i>albida</i>	-	-	-	-	-	-	-	+	-	0	1	1
<i>P. albida</i> ssp. <i>straminea</i>	-	3	-	-	-	-	-	-	-	-	-	+
<i>Puccinellia distans</i> ssp. <i>borealis</i> (<i>P. capillaris</i>)	+	+	2	+	1	+	-	-	-	3	+	+
<i>P. maritima</i>	-	-	-	+	+	-	-	1	+	+	+	+
<i>P. phryganodes</i>	-	2	-	-	-	-	-	-	-	-	-	-
<i>Pulicaria dysenterica</i>	-	-	-	-	-	-	-	+	2	4	+	0
<i>P. vulgaris</i>	-	-	-	-	a	-	+	+	2	1	a	0
<i>Pulmonaria officinalis</i> (s. str.; excl. <i>P. obscura</i>)	-	-	-	-	-	-	2	+	+	-	3	3
<i>P. angustifolia</i>	-	-	-	1	2	+	+	+	0	-	2	2
<i>Pulsatilla halleri</i> ssp. <i>slavica</i> (<i>P. slavica</i>)	-	-	-	-	-	-	-	2	-	-	-	-
<i>P. patens</i>	-	4	4	?	4	2	+	2	0	-	-	2
<i>P. pratensis</i>	-	-	3	4	4	3	1	+	2	1	+	+
<i>P. vernalis</i>	-	+	2	-	-	-	-	2	0	-	2	+
<i>P. vulgaris</i> ssp. <i>vulgaris</i>	-	0	1	-	-	-	-	1	1	1	+	+
<i>P. vulgaris</i> ssp. <i>gotlandica</i>	-	-	-	-	-	-	-	-	-	-	-	3
<i>Pycneus</i> ; see <i>Cyperus</i>												
<i>Pyretrum</i> ; see <i>Tanacetum</i>												
<i>Pyrola chlorantha</i>	+	+	+	+	+	+	+	+	2	0	3	+

ÅLA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>P. media</i>	+	+	+	+	2	+	2	+	0	-	3	+	
<i>P. minor</i>	+	+	+	+	+	+	+	+	4	4	+	+	
<i>P. rotundifolia ssp. maritima</i>	-	-	-	-	-	-	-	-	-	-	+	1	
<i>P. rotundifolia ssp. rotundifolia</i>	+	+	+	+	+	+	+	+	2	1	2	+	
<i>Pyrus pyraeaster</i>	-	-	-	3	+	+	+	+	+	4	-	-	
<i>Quercus petraea</i>	-	-	-	-	-	3	2	+	+	+	+	+	
<i>Q. pubescens</i>	-	-	-	-	-	-	-	1	-	-	-	-	
<i>Radiola linoides</i>	-	-	1	1	1	2	1	+	0	2	+	+	
<i>Ranunculus acris ssp. friesianus</i>	-	a	2	-	-	-	-	+	-	+	a	1	
<i>R. affinis (R. auricomus var. glabratus)</i>	-	-	-	-	-	-	-	-	-	-	-	1	
<i>R. aquatilis (Batrachium aquatilis)</i>	+	1	3	+	+	+	-	+	2	+	+	+	
<i>R. arvensis</i>	-	a	-	-	-	+	-	a	1	0	a	2	
<i>R. baudotii (Batrachium baudotii)</i>	+	+	3	+	2	-	-	?	+	4	+	+	
<i>R. bulbosus</i>	+	+	1	+	+	+	+	+	+	+	+	+	
<i>R. cymbalaria</i>	-	a	-	-	-	-	-	-	-	-	-	2	
<i>R. ficaria ssp. ficaria (Ficaria verna ssp. fertilis)</i>	-	-	-	-	-	-	-	+	+	+	3	-	
<i>R. flammula</i>	+	+	+	+	+	+	+	+	4	+	+	+	
<i>R. fluitans</i>	-	-	-	-	-	-	-	+	2	2	-	2	
<i>R. hederaceus</i>	-	-	-	-	-	-	-	-	0	2	+	1	
<i>R. illyricus</i>	-	-	-	-	-	-	-	2	-	-	-	+	
<i>R. lanuginosus</i>	-	-	-	2	3	+	+	+	+	+	+	+	
<i>R. lapponicus</i>	-	+	-	-	-	-	-	-	-	-	-	4	
<i>R. lingua</i>	+	+	+	+	+	+	+	+	4	4	+	+	
<i>R. nemorosus</i>	-	-	1	3	+	-	-	+	-	0	1	+	
<i>R. ophioglossifolius</i>	-	-	-	-	-	-	-	-	-	-	-	1	
<i>R. peltatus (Batrachium peltatum)</i>	-	+	+	3	2	-	+	+	4	+	+	+	
<i>R. penicillatus (DUMORT.) BAB.</i>	-	-	-	-	-	-	-	3	-	+	+	-	
<i>R. polyanthemus ssp. polyanthemus</i>	+	+	+	+	+	+	+	+	1	1	3	+	
<i>R. polyanthemus ssp. polyanthemoides</i>	-	-	-	-	-	-	-	-	-	1	-	-	
<i>R. reptans</i>	+	+	+	+	+	+	+	2	1	1	3	+	
<i>R. sardous</i>	a	a	a	a	a	+	+	+	2	4	+	4	
<i>R. sceleratus ssp. reptabundus</i>	-	2	-	-	-	-	-	-	-	-	-	-	
<i>R. sulphureus</i>	-	3	-	-	-	-	-	-	-	-	-	3	
<i>R. trichopyllus ssp. trichopyllus</i> (<i>Batrachium trichophyllum</i>)	4	2	+	+	+	+	+	+	2	+	+	+	
<i>Raphanus raphanistrum</i>	+	+	+	+	+	+	+	+	+	4	a	+	
<i>Reseda phyteuma</i>	-	-	-	-	-	-	-	2	-	-	-	-	
<i>Rhinanthus halophilus</i> ; see <i>R. serotinus ssp. halophilus</i>													
<i>Rhinanthus minor</i>	+	+	+	+	+	+	+	+	1	4	+	+	
<i>R. osiliensis</i>	-	-	-	1	-	-	-	-	-	-	-	-	
<i>R. serotinus (SCHÖNH.) OBORNY s. lat.</i> (<i>R. angustifolius, R. major</i>)	+	+	+	+	+	+	+	+	+	4	+	+	
<i>R. serotinus ssp. apterus (FR.) HYL.</i>	-	a	0	+	+	+	+	+	-	-	a	0	
<i>R. serotinus ssp. arenarius U. SCHNEID.</i>	-	-	-	-	-	-	-	-	0	-	-	-	

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<i>R. serotinus ssp. halophilus</i> (U. SCHNEID.) HARTL.	-	-	-	-	-	-	-	-	1	3	-
<i>R. serotinus ssp. paludosus</i> SCHWARZ	-	-	-	-	-	-	-	+	2	-	+
<i>R. serotinus ssp. vernalis</i> (ZING.) HYL.	+	+	+	+	-	+	-	-	2	-	+
<i>Rhododendron lapponicum</i>	-	3	-	-	-	-	-	-	-	-	+
<i>R. luteum</i> (R. flavum)	-	-	-	-	-	-	-	2	-	-	-
<i>Rhynehospora alba</i>	+	+	+	+	+	+	+	+	2	4	+
<i>R. fusca</i>	+	+	3	3	1	-	-	2	0	1	3
<i>Roegneria</i> ; see <i>Elymus</i>											
<i>Rorippa</i> ; see also <i>Nasturtium</i>											
<i>Rorippa x anceps</i> (WAHLENB.) RCHB. ¹⁸	-	a	+	+	+	+	-	+	?	4	+
<i>R. x armoracioides</i> (R. sylvestris x austriaca)	-	a	+	-	-	-	-	+	-	2	+
<i>R. austriaca</i>	-	a	a	-	a	+	+	+	+	1	a
<i>Rosa acicularis</i>	-	+	+	a	a	-	-	a	-	-	2
<i>R. agrestis</i>	-	-	-	-	-	-	-	+	-	1	0
<i>R. andegavensis</i>	-	-	-	-	-	-	-	+	-	4	-
<i>R. caesia</i> (R. coriifolia)	+	+	2	+	2	+	-	+	2	2	+
<i>R. canina</i>	4	-	a	+	+	+	+	+	+	+	+
<i>R. deseglisei</i>	-	-	-	-	-	-	-	+	2	1	-
<i>R. elliptica ssp. elliptica</i>	-	-	-	-	-	-	-	+	1	1	+
<i>R. elliptica ssp. inodora</i> (FRIES) SCHWERTSCHL.									2	1	3
<i>R. elliptica ssp. subeglanteria</i> E. SCHENK									2		2
<i>R. gallica</i>	-	-	-	-	-	-	-	2	-	-	-
<i>R. jundzillii</i>	-	-	-	-	-	-	-	+	-	-	0
<i>R. micrantha</i>	-	-	-	-	-	-	-	+	1	1	-
<i>R. mollis</i> (R. villosa ssp. mollis)	+	+	2	+	+	+	+	+	-	1	+
<i>R. nitidula</i> (R. blondeana)	-	-	-	-	-	-	-	-	1	1	-
<i>R. obtusifolia</i>	-	-	-	-	-	-	-	+	4	2	+
<i>R. pimpinellifolia</i>	-	-	a	-	-	-	-	+	2	2	+
<i>R. rubiginosa s. lat.</i>	-	-	a		+	+	+	+		4	+
<i>R. rubiginosa ssp. columnifera</i> SCHWERTSCHL.				-				-	1		
<i>R. rubiginosa ssp. rubiginosa</i>				-				+	4		
<i>R. rubiginosa ssp. umbellata</i>				+				+	4		
<i>R. scabriuscula</i>	-	-	-	-	-	-	-	+	1	4	-
<i>R. sherardii</i>	3	-	-	-	3	+	-	+	+	2	+
<i>R. squarrosa</i> (R. scabrata)	-	-	-	-	-	-	-	+	2	1	-
<i>R. subcanina</i>	-	-	-	+	+	+	+	+	+	2	-
<i>R. subcollina</i> (R. caesia ssp. subcollina)	-	-	-	-	-	-	-	+	4	+	+
<i>R. tomentosa</i> (ssp. tomentosa)	-	-	-	-	-	+	+	+	4	4	1
<i>R. villosa</i> L. (ssp. villosa)	-	-	2	-	-	-	-	+	4	2	a
<i>R. vosagiaca</i> (R. dumalis) ¹⁹	+	+	1	+	+	+	+	+	4	4	+
<i>Rubus arcticus</i>	1	+	3	1	0	0	-	-	-	-	+
<i>R. chamaemorus</i>	+	+	+	+	+	+	2	2	0	0	2
<i>R. saxatilis</i>	+	+	+	+	+	+	+	+	+	3	+

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	Å	L	F	N	E	S	T	L	A	P	O	M	C	H	D	S	S
Rubus fruticosus agg. ²⁰	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R. adpersus WEIHE ex H. E. WEBER	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
R. anisacanthos G. BRAUN (R. albisequens)	-	-	-	-	-	-	-	-	-	-	-	-	3	+	-	-	-
R. axillaris	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	4	-
R. calvus H. E. WEBER	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	-	-
R. cardiophyllus	-	-	-	-	-	-	-	-	-	-	-	-	-	2	+	-	-
R. chloocladus	-	-	-	-	-	-	-	-	-	+	1	-	-	-	-	-	-
R. chlorothyrsos	-	-	-	-	-	-	-	-	-	+	+	2	+	-	-	-	-
R. cimbricus	-	-	-	-	-	-	-	-	-	-	-	1	+	+	-	-	-
R. circipanicus E. H. L. KRAUSE	-	-	-	-	-	-	-	-	-	+	+	2	+	-	-	-	-
R. cordiformis H. E. WEBER & MARTENSEN	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
R. correctispinosus H. E. WEBER	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
"R. corylifolius" SM.									3								
R. dasyphyllus	-	-	-	-	-	-	-	-	-	-	-	+	1	+	0	-	-
R. demissus H. E. WEBER & MARTENSEN	-	-	-	-	-	-	-	-	-	-	-	-	2	+	-	-	-
R. dethardingii E. H. L. KRAUSE s. str.	-	-	-	-	-	-	-	-	-	+	+	2	+	-	-	-	-
R. divaricatus	-	-	-	-	-	-	-	-	-	+	-	0	+	3	-	-	-
R. egregius	-	-	-	-	-	-	-	-	-	-	1	+	+	-	-	-	-
R. egregiusculus (FRID. & GEL.) E. H. L. KRAUSE	-	-	-	-	-	-	-	-	-	-	-	-	2	+	-	-	-
R. eideranus	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
R. eurynthemus W. C. R. WATSON	-	-	-	-	-	-	-	-	-	-	-	3	+	-	-	-	-
R. ferocior H. E. WEBER	-	-	-	-	-	-	-	-	-	-	-	3	2	+	-	-	-
R. fioniae FRID. ex NEUMANN	-	-	-	-	-	-	-	-	-	-	-	3	+	+	-	-	-
R. firmus FRID. ex UTSCH.	-	-	-	-	-	-	-	-	-	-	-	-	2	+	-	-	-
R. flexuosus	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
R. fuscus	-	-	-	-	-	-	-	-	-	-	-	-	+	+	2	-	-
R. gelertii	-	-	-	-	-	-	-	-	-	-	-	-	2	+	-	-	-
R. glauciformis E. E. GUST. ex HYL.	-	-	-	-	-	-	-	-	-	-	1	+	+	-	-	-	-
R. grabowskii WEIHE ex GÜNTHER et al. s. str. (excl. R. thyrsanthus)	-	-	-	-	-	-	-	-	-	+	+	3	-	-	-	-	-
R. haesitans MARTENSEN & WALSEMANN	-	-	-	-	-	-	-	-	-	-	-	3	+	+	-	-	-
R. hallandicus GABR. ex ARESCH.	-	-	-	-	-	-	-	-	-	-	-	-	0	-	+	-	-
R. hartmanii	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
R. hevellicus (E. H. L. KRAUSE) E. H. L. KRAUSE	-	-	-	-	-	-	-	-	+	3	-	-	-	-	-	-	-
R. humulifolius	-	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
R. infestus	-	-	-	-	-	-	-	-	+	-	+	+	3	-	-	-	-
R. insularis	-	-	-	-	-	-	-	-	-	-	+	+	+	4	-	-	-
R. integrbasis P. J. MÜLLER	-	-	-	-	-	-	-	-	-	-	-	1	+	-	-	-	-
R. koehleri	-	-	-	-	-	-	-	-	+	3	2	-	-	-	-	-	-
R. leuciscanus E. H. L. KRAUSE	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-
R. lidforsii (GELERT) LANGE	-	-	-	-	-	-	-	-	+	+	0	+	+	-	-	-	-
R. lindblomii WESTERLUND	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
R. lindebergii	-	-	-	-	-	-	-	-	-	3	2	+	+	-	-	-	-

[illegible]

	Å	L	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
Rumex aquaticus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
R. confertus	2	a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
R. conglomeratus	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
R. hydrolapathum	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
R. longifolius	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
R. maritimus	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
R. palustris	-	a	-	-	-	-	-	-	-	-	-	-	-	-	-	+	2	-	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ruppia cirrhosa	+	+	-	+	-	-	-	-	-	-	-	-	-	-	-	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
R. maritima	+	+	2	+	3	+	-	2	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sagina apetala ssp. apetala (S. ciliata)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	?	2	+	1	+	+	+	+	+	+	+	+	+	+	+	
S. apetala ssp. erecta (S. micropetala RAUSCHERT)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	+	0	+	+	+	+	+	+	+	+	+	+	+	
S. caespitosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. maritima	4	3	-	3	-	-	-	-	0	2	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
S. nodosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
S. subulata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	1	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sagittaria natans	-	+	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Salicornia europaea	+	2	-	+	-	-	-	-	-	-	-	-	-	-	-	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Salix arbuscula	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. arenaria (S. repens ssp. argentea)	+	+	-	+	-	-	-	-	-	-	-	-	-	-	-	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
S. daphnoides s. lat.	-	-	+	+	+	+	+	2	+	3	3	a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
S. hastata	-	+	3	-	-	-	-	-	-	-	-	-	-	-	-	+	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	
S. lapponum	-	+	+	+	+	+	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. myrtilloides	-	+	+	+	3	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. nigricans (S. myrsinifolia)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
S. phylicifolia	+	+	+	+	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. purpurea	-	-	-	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. pyrolifolia	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. repens (ssp. repens)	+	+	3	2	+	+	2	+	2	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
S. rosmarinifolia (S. repens ssp. rosmarinifolia)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
S. triandra	-	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Salsola kali ssp. kali	0	2	1	+	+	+	+	3	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Salvia nemorosa	-	-	-	a	a	a	-	+	1	-	a	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. pratensis ³	-	a	-	a	a	a	2	+	4	-	a	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. verticillata	a	a	3	a	a	a	a	+	2	-	a	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Salvinia natans	-	-	-	-	-	-	-	-	2	-	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Samolus valerandi	3	1	-	3	-	-	-	3	2	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sanguisorba minor ssp. minor	+	+	2	+	+	+	+	+	+	4	1	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
S. officinalis	-	+	3	+	2	+	+	+	2	4	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sanicula europaea	+	-	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sarothamnus; see Cytistus																																
Satureja acinos; see Acinos arvensis																																
Saussurea alpina ssp. alpina	-	+	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
S. alpina ssp. esthonica	-	-	1	+	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Å L F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	L	A	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
<i>S. pygmaea</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Saxifraga adscendens</i>	-	3	-	2	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	
<i>S. cernua</i>	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	
<i>S. cotyledon</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
<i>S. granulata</i>	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>S. hirculus</i>	-	4	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	2	4												
<i>S. moschata</i> WULFEN <i>ssp. basaltica</i> BR.-BL.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>S. nivalis</i>	-	+	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	+		
<i>S. osloënsis</i>	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4		
<i>S. rosacea</i> (<i>S. decipiens</i>)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>S. tridactylites</i>	+	+	0	+	+	+	+	+	+	+	+	+	+	+	+	+	4	2	+	+													
<i>Scabiosa canescens</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	1	-	2	3												
<i>S. columbaria</i>	-	-	-	+	-	2	-	+	4	2	+	+																					
<i>S. ochroleuca</i>	-	-	-	-	1	+	-	+	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Scandix pecten-veneris</i>	a	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	a	0	1	a	1												
<i>Scheuchzeria palustris</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	1	2	+													
<i>Schoenoplectus</i> ; see also <i>Scirpus</i>																																	
<i>Schoenoplectus duvalii</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-												
<i>Schoenus ferrugineus</i>	1	4	3	+	3	3	-	2	1	-	2	+																					
<i>S. nigricans</i>	-	-	-	3	-	1	-	1	1	1	0	2	+																				
<i>Scirpus</i> ; see also <i>Eleocharis</i>																																	
<i>Scirpus cespitosus ssp. cespitosus</i> (<i>Trichophorum cespitosum ssp. austriacum</i>)	+	+	2	+	3	2	-	+	0	4	+	+																					
<i>S. cespitosus ssp. germanicus</i> (<i>Trichophorum cespitosum ssp. germanicum</i>)	-	-	-	-	-	-	-	-	2	1	4	+	+																				
<i>S. fluitans</i> (<i>Eleogiton fluitans</i>)	-	-	-	-	-	-	-	-	-	0	1	3	2																				
<i>S. hudsonianus</i> (<i>Trichophorum alpinum</i>)	+	+	+	+	+	+	+	+	2	1	1	2	+																				
<i>S. mucronatus</i>	-	-	-	-	-	-	-	-	1	-	-	-	-																				
<i>S. pungens</i> (<i>Schoenoplectus americanus</i>)	-	-	-	-	-	-	-	-	0	1	1	-	-																				
<i>S. radicans</i>	-	2	4	+	3	-	+	3	0	0	-	2																					
<i>S. setaceus</i>	-	-	-	-	1	-	-	+	4	4	+	2																					
<i>S. supinus</i> (<i>Schoenoplectus supinus</i> , <i>Isolepis supina</i>)	-	-	-	-	-	-	-	-	0	0	-	-	-																				
<i>S. triqueter</i>	-	-	-	-	-	-	-	-	+	-	2	-	-																				
<i>Scleranthus annuus ssp. polycarpus</i>	+	+	+	+	-	-	-	+	4	-	+	+																					
<i>Scleranthus perennis</i>	1	1	+	+	+	+	+	+	+	+	+	+																					
<i>Sclerochloa dura</i>	-	-	-	-	-	-	-	-	3	-	-	-	-																				
<i>Scolochloa festuacea</i>	-	+	+	+	+	3	-	3	1	-	-	+																					
<i>Scorzonera humilis</i>	0	+	+	+	+	+	+	+	+	1	2	+	+																				
<i>S. purpurea</i>	-	-	-	-	-	-	-	-	3	0	-	-	-																				
<i>Scrophularia auriculata</i>	-	-	-	0	-	-	-	-	-	-	-	-	-																				
<i>S. umbrosa</i>	-	-	-	-	1	+	+	+	+	+	4	+	a																				
<i>S. vernalis</i>	-	a	-	-	-	-	-	-	a	-	3	a	3																				
<i>Scutellaria hastifolia</i>	+	+	3	+	1	+	+	+	+	1	1	3	+																				

Å L A F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	ÅLA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>S. minor</i>	-	-	-	-	-	-	-	-	-	-	-	1
<i>Sedum anglicum</i>	-	-	-	-	-	-	-	-	-	-	a	3
<i>S. reflexum</i> (<i>S. rupestre</i>)	3	+	-	-	-	-	-	+	+	2	a	+
<i>S. sexangulare</i>	+	-	-	-	+	+	1	+	+	4	2	+
<i>S. telephium</i> <i>ssp.</i> <i>telephium</i>	-	a	+	+	+	+	+	?	+	+	a	a
<i>S. villosum</i>	-	1	-	-	-	-	-	0	-	-	-	3
<i>Selaginella helvetica</i>	-	-	-	-	-	-	-	0	-	-	-	-
<i>S. selaginoides</i>	2	+	1	2	-	-	-	+	-	0	3	+
<i>Selinum carvifolia</i>	+	+	+	+	+	+	+	+	4	2	+	+
<i>Senecio aquaticus</i> <i>ssp.</i> <i>aquaticus</i>	a	a	3	-	a	-	-	+	2	4	+	+
<i>S. aquaticus</i> <i>ssp.</i> <i>barbareifolius</i> (<i>S. erraticus</i>)	-	-	-	-	-	-	-	+	2	1	+	-
<i>S. congestus</i> (<i>S. palustris</i> , <i>Tephroseris palustris</i>)	-	-	2	+	+	+	+	+	+	+	3	1
<i>S. doria</i> <i>ssp.</i> <i>doria</i>	-	-	-	-	-	-	-	3	-	-	-	-
<i>S. erucifolius</i>	-	-	-	-	-	-	+	+	+	4	1	1
<i>S. fluviatilis</i>	-	-	-	+	+	+	+	+	1	2	-	-
<i>S. integrifolius</i> (<i>Tephroseris integrifolia</i>)	-	-	2	+	-	-	-	+	-	-	3	1
<i>S. jacobaea</i> <i>ssp.</i> <i>gotlandicus</i> (NEUMAN) STERNER	-	-	-	-	-	-	-	-	-	-	-	3
<i>S. paludosus</i>	-	-	4	+	+	+	+	+	1	2	-	3
<i>S. tataricus</i> LESS. ²¹	-	-	2	-	-	-	-	-	-	-	-	-
<i>Serratula lycopifolia</i>	-	-	-	-	-	-	-	1	-	-	-	-
<i>S. tinctoria</i>	-	-	-	-	3	+	+	+	2	2	3	+
<i>Seseli annuum</i>	-	-	-	-	-	3	-	+	1	-	-	-
<i>S. libanotis</i>	3	+	3	+	+	+	+	+	+	1	3	+
<i>Sesleria bielzii</i>	-	-	-	-	-	-	-	1	-	-	-	-
<i>S. caerulea</i> (<i>S. uliginosa</i>)	+	2	2	+	+	2	+	2	-	-	-	+
<i>Sherardia arvensis</i>	a	a	a	-	-	3	a	+	2	4	a	4
<i>Sibbaldia procumbens</i>	-	+	-	-	-	-	1	3	-	-	-	+
<i>Silaum silaus</i>	-	-	2	-	-	-	-	+	1	-	a	1
<i>Silene armeria</i>	-	a	-	-	-	+	-	a	-	0	-	a
<i>S. borysthena</i> (<i>S. parviflora</i> (EHRH.) PERS.)	-	-	a	-	2	+	-	2	-	-	-	-
<i>S. chlorantha</i>	-	-	3	3	2	2	-	+	-	-	-	-
<i>S. conica</i>	-	-	-	-	-	-	-	a	2	1	a	4
<i>S. dichotoma</i>	a	a	+	a	a	a	a	a	+	0	a	0
<i>S. dioica</i> <i>var.</i> <i>smithii</i>	-	-	-	-	-	-	-	-	-	-	-	3
<i>S. furcata</i> (<i>ssp.</i> <i>angustiflora</i>)	-	1	-	-	-	-	-	-	-	-	-	3
<i>S. lituanica</i>	-	-	-	-	-	2	-	+	-	-	-	-
<i>S. noctiflora</i>	-	a	a	a	a	a	-	+	-	-	a	+
<i>S. nutans</i>	+	+	+	+	+	+	+	+	+	4	+	+
<i>S. otites</i>	-	-	-	-	+	+	+	+	2	1	3	-
<i>S. rupestris</i>	-	+	1	-	-	-	-	-	-	-	-	+
<i>S. tatarica</i>	-	4	3	1	3	+	+	+	-	-	-	-
<i>S. viscosa</i>	+	+	3	1	a	a	-	a	0	-	-	+
<i>S. wahlbergella</i> (<i>S. uralensis</i> <i>ssp.</i> <i>apetala</i>)	-	3	-	-	-	-	-	-	-	-	-	+

ÅLA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	ÅLA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Sisymbrium polymorphum</i>	-	-	-	-	-	a	-	3	-	-	-	-
<i>S. supinum</i>	-	-	-	+	0	-	-	-	-	-	-	+
<i>Sium latifolium</i>	-	1	+	+	+	+	+	+	+	+	+	+
<i>Solanum luteum ssp. alatum</i>	-	-	-	-	-	-	-	a	+	0	a	1
<i>Sonchus arvensis ssp. uliginosus</i>	-	-	+	+	+	-	-	+	4	+	+	-
<i>S. humilis</i> ORLOVA ²²	-	-	-	-	1	-	-	-	-	-	-	-
<i>Sorbus carpatica</i>	-	-	-	-	-	-	-	?	-	-	-	-
<i>S. chamaemespilus</i>	-	-	-	-	-	-	-	3	-	-	-	-
<i>S. graeca</i>	-	-	-	-	-	-	-	3	-	-	-	-
<i>S. hybrida</i>	+	+	-	-	+	-	-	-	-	-	2	+
<i>S. intermedia</i>	3	1	-	+	3	-	-	2	+	+	+	+
<i>S. norvegica</i>	-	-	-	-	-	-	-	-	-	-	-	3
<i>S. rupicola</i>	-	-	-	3	-	-	-	-	-	-	3	+
<i>S. teodori</i>	1	-	-	-	+	-	-	-	-	-	-	3
<i>S. torminalis</i>	-	-	-	-	-	-	-	+	2	0	3	-
<i>Sparganium angustifolium</i>	+	+	+	+	2	+	-	2	-	1	+	+
<i>S. erectum ssp. erectum</i>	-	3	+	+	1	+	+	+	+	+	+	+
<i>S. glomeratum</i>	+	+	+	+	1	-	-	-	-	-	-	+
<i>S. gramineum</i>	-	+	+	+	2	-	-	-	-	-	-	+
<i>S. minimum</i>	+	+	+	+	+	+	+	+	2	2	+	+
<i>Spergula arvensis ssp. linicola</i> (BOR.) JANCH.	-	-	0	-	-	a	-	-	0	-	-	-
<i>S. arvensis ssp. maxima</i> (WEIHE) SCHWARZ	0	0	0	-	+	a	-	a	-	+	a	0
<i>S. morisonii</i>	+	+	3	-	+	+	+	+	+	4	2	+
<i>S. pentandra</i>	-	-	-	-	-	-	-	+	0	0	-	-
<i>Spergularia echinosperma</i>	-	-	-	-	-	-	-	?	2	4	-	-
<i>S. marina</i> (S. salina)	+	+	3	+	2	+	-	+	+	+	+	+
<i>S. media</i> (S. marginata)	-	-	-	+	-	-	-	0	+	+	+	+
<i>S. segetalis</i>	-	-	-	-	-	-	-	3	-	-	-	-
<i>Spiraea media</i>	-	-	a	-	-	-	-	3	-	-	-	-
<i>Spiranthes spiralis</i>	-	-	-	-	-	-	-	1	0	0	0	-
<i>Stachys annua</i>	-	a	+	a	a	a	-	+	1	-	a	a
<i>S. arvensis</i>	-	a	-	-	-	a	+	+	2	4	a	2
<i>S. germanica</i>	-	-	-	-	-	-	-	+	1	-	-	-
<i>S. officinalis</i> (Betonica officinalis)	-	a	4	+	+	+	+	+	2	1	0	1
<i>S. recta</i>	-	-	-	-	a	3	-	+	2	-	-	-
<i>Stellaria crassifolia s. lat.</i>	-	+	+	+	3	+	+	2	0	0	+	+
<i>S. crassifolia var. brevifolia</i> (RAFN) FR.	-	2	-	+	-	-	-	-	-	-	-	+
<i>S. crassipes</i>	-	-	-	-	-	-	-	-	-	-	-	3
<i>S. fennica</i>	-	3	-	-	-	-	-	-	-	-	-	-
<i>S. holostea</i>	2	+	+	+	+	+	+	+	+	+	+	+
<i>S. humifusa</i>	-	0	-	-	-	-	-	-	-	-	-	-
<i>S. nemorum</i>	1	+	+	+	+	+	+	+	+	+	+	+
<i>S. pallida</i>	-	-	-	+	-	-	0	+	+	+	+	+

ÅLA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	L	A	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
<i>S. palustris</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	4	+	+									
<i>Stipa borysthenica</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>S. capillata</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>S. joannis</i> , <i>S. pennata</i> ²³	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0	-	-	-	-	-	-	-	-	-	-	-	-	3		
<i>S. pulcherrima</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Stratiotes aloides</i>	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	4	+	+	+	+	+	+	+	+	+	+	
<i>Suaeda maritima</i>	2	a	-	+	-	-	-	-	-	-	-	-	-	-	-	1	0	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<i>Subularia aquatica</i>	-	+	4	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	1	+	+	+	+	+	+	+	
<i>Succisa pratensis</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	4	+	+	+	+	+	+	+	+	+	+	
<i>Succisella inflexa</i>	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Swertia perennis</i>	-	-	1	2	0	1	+	2	1	0	-	-	-	-	-	-	2	1	0	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Symphytum asperum</i>	-	a	a	a	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	a	3	+	+	+	+	+	
<i>S. officinale</i>	a	a	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	a	3	+	+	+	+	+	+	
<i>S. tuberosum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	0	-	-	-	-	-	-	-	-	-	-	-	
<i>Tanacetum corymbosum</i>	-	-	3	-	-	3	-	+	0	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Taraxacum bessarabicum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>T. crocodes</i>	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
<i>T. palustre s. lat.</i>	+	+	3	+	2	3	-	+	1	1	+	+	+	+	+	+	+	+	+	+	1	1	+	+	+	+	+	+	+	+	+	+	
<i>T. pieninicum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>T. polium</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
<i>T. spectabile</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	+		
<i>Taxus baccata</i>	3	-	-	2	2	0	-	+	3	-	3	4	+	+	+	+	+	+	+	+	3	-	3	4	+	+	+	+	+	+	+	+	
<i>Tephrosieris</i> ; see <i>Senecio</i>																																	
<i>Tetragonolobus maritimus</i>	-	-	-	+	-	-	-	-	+	1	-	3	+	+	+	+	+	+	+	+	1	-	3	+	+	+	+	+	+	+	+	+	
<i>Teucrium scordium</i>	-	-	3	+	3	1	+	+	2	0	2	+	+	+	+	+	+	+	+	+	2	0	2	+	+	+	+	+	+	+	+	+	
<i>T. scorodonia</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	2	a	a	+	+	+	+	+	+	+	+	+	
<i>Thalictrum aquilegifolium</i>	-	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	-	-	+	+	+	+	+	+	+	+	+	
<i>T. flavum</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	2	4	+	+	+	+	+	+	+	+	+	+	
<i>T. lucidum</i>	-	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	0	-	-	-	-	-	-	-	-	-	-	-	
<i>T. minus ssp. kemense</i> (<i>T. kemense</i>)	-	3	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>T. minus ssp. majus</i>	-	a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	+	+	+	+	+	+	+	
<i>T. minus ssp. minus</i>	-	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	1	+	+	+	+	+	+	+	+	+	+	
<i>T. simplex</i>	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	-	0	3	+	+	+	+	+	+	+	+	+	
<i>Thelypteris limbosperma</i>	-	-	-	-	-	-	-	-	+	1	2	2	3	+	+	+	+	+	+	+	1	2	2	3	+	+	+	+	+	+	+	+	
<i>T. palustris</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	
<i>Thesium alpinum</i>	-	-	3	-	1	-	-	-	+	-	-	0	+	+	+	+	+	+	+	+	-	-	0	+	+	+	+	+	+	+	+	+	
<i>T. ebracteatum</i>	-	-	-	+	1	+	-	+	0	0	0	-	-	-	-	-	-	-	-	-	+	0	0	0	-	-	-	-	-	-	-	-	
<i>T. linophyllum</i>	-	-	-	-	-	-	-	-	+	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
<i>Thlaspi alliaceum</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Thlaspi alpestre</i>	+	+	+	1	a	+	-	3	+	-	a	+	+	+	+	+	+	+	+	+	3	+	-	a	+	+	+	+	+	+	+	+	+
<i>T. perfoliatum</i>	-	-	-	-	-	-	-	-	3	1	-	a	+	+	+	+	+	+	+	+	3	1	-	a	+	+	+	+	+	+	+	+	+
<i>Thymus praecox</i>	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>T. serpyllum</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	

Å L A F I N L E N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	L	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
T. pulegioides	a	a	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+	4			
Tilia cordata	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
T. platyphyllos	-	-	a	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	3	1						
<i>Tillaea; see Crassula</i>																																
Tofieldia calyculata	-	-	0	+	1	1	-	+	-	-	-	-	-	-	+	+	+	+	+	+	+	+	+	+	-	-	-	+				
Torilis japonica	2	-	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
T. nodosa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	
Tozzia alpina ssp. carpathica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tragopogon crocifolius	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
T. dubius	-	-	a	-	-	a	+	+	2	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
T. floccosus ssp. heterospermus (T. heterospermus)	-	-	-	-	+	+	2	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
T. gorskianus	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
T. porrifolius ssp. australis (T. sinuatus)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	
Trapa natans	-	-	-	-	1	0	-	2	-	0	-	0																				
<i>Trichophorum; see Scirpus</i>																																
Trifolium alpestre	-	-	a	2	2	+	+	+	+	4	1	3	1																			
T. aureum	3	+	+	+	+	+	+	+	+	4	2	+	+																			
T. fragiferum	+	2	0	+	2	+	+	+	+	+	+	+	+																			
T. lupinaster	-	-	-	-	a	2	-	+	-	-	-	-	-																			
T. micranthum	-	-	-	-	-	-	-	-	-	-	-	-	-												1	2	-					
T. montanum	+	3	+	+	+	+	+	+	+	2	0	0	+																			
T. ornithopodioides	-	-	-	-	-	-	-	-	-	-	-	-	-												3	-	-					
T. rubens	-	-	-	-	-	3	-	+	0	-	-	-	-																			
T. spadiceum	4	+	+	+	+	+	+	+	+	-	0	a	+																			
T. striatum	-	-	-	-	-	-	-	-	+	2	2	+	3																			
Triglochin maritimum	+	+	3	+	+	3	+	+	2	+	+	+	+																			
T. palustre	+	+	+	+	+	+	+	+	4	4	+	+	+																			
<i>Tripleurospermum; see Matricaria</i>																																
Trisetum flavescens	a	a	+	+	+	+	+	+	+	+	2	a	+																			
T. fuscum	-	-	-	-	-	-	-	-	3	-	-	-	-																			
T. sibiricum	-	-	3	1	1	+	-	3	-	-	-	-	-																			
T. subalpestre	-	2	-	-	-	-	-	-	-	-	-	-	-																			
Trollius europaeus	1	+	+	+	+	+	1	+	2	0	+	+																				
<i>Trommsdorffia; see Hypochoeris</i>																																
Tulipa sylvestris	-	-	-	a	a	a	-	a	+	2	a	+																				
<i>Turritis; see Arabis</i>																																
Typha angustifolia	+	+	+	+	+	+	2	+	+	+	+	+																				
Ulex europaeus	-	-	-	-	-	-	-	a	a	2	a	+																				
Ulmus glabra	4	4	+	+	+	+	+	+	+	+	+	+																				
U. laevis	-	3	+	+	+	+	+	+	+	+	4	3	3																			
U. minor (U. carpinifolia)	-	-	-	-	a	+	+	+	+	+	+	+	+																			
Utricularia australis (U. neglecta)	+	+	-	-	+	-	-	+	1	2	+	+																				
U. intermedia	+	+	4	+	+	+	+	+	2	0	3	+																				

Å L F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	L	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>U. minor</i>	+	+	+	+	+	+	-	+	2	2	+	+	
<i>U. ochroleuca</i> ²⁴	-	+	-	-	1	-	-	2	-	0	2	+	
<i>U. stygia</i> THOR ²⁴	-	+	-	-	+	-	-	-	-	-	0	+	
<i>U. vulgaris</i>	+	+	+	+	+	+	+	+	4	4	+	+	
<i>Vaccaria hispanica</i> (<i>V. pyramidata</i>)	-	-	a	a	a	a	a	2	-	1	a	-	
<i>Vaccinium macrocarpon</i> ²⁵	-	-	-	-	a	-	-	-	-	3	-	-	
<i>V. microcarpum</i>	+	+	+	+	+	+	+	2	-	-	-	+	
<i>V. oxycoccus</i>	+	+	+	+	+	+	+	+	+	4	+	+	
<i>V. uliginosum</i> agg.	+	+	+	+	+	+	+	+	+	4	+	+	
<i>V. vitis-idaea</i>	+	+	+	+	+	+	+	+	+	1	+	+	
<i>Valeriana dioica</i>	-	-	1	-	-	-	-	+	4	4	+	+	
<i>V. officinalis</i> ssp. <i>officinalis</i> (<i>V. nitida</i>)	+	+	3	+	+	+	+	+	+	+	+	+	
<i>V. officinalis</i> ssp. <i>sambucifolia</i>	+	+	3	+	-	-	-	+	+	+	+	+	
<i>V. salina</i>	+	+	3	+	-	-	-	-	-	-	-	+	
<i>Valerianella carinata</i>	-	-	-	-	-	-	-	a	+	1	-	-	
<i>V. dentata</i>	-	a	a	+	-	a	1	+	2	4	a	2	
<i>V. locusta</i>	+	1	-	+	1	a	+	+	+	4	+	+	
<i>V. rimosa</i>	-	-	-	-	-	-	-	+	0	0	a	-	
<i>Veratrum album</i> ssp. <i>lobelianum</i> (BERNH.) RCHB.	-	1	2	-	-	1	-	+	-	-	-	-	
<i>Verbascum blattaria</i>	-	-	-	-	-	a	a	+	1	-	a	a	
<i>V. chaixii</i> ssp. <i>austriacum</i>	-	-	-	-	-	-	-	2	-	-	-	-	
<i>V. densiflorum</i>	-	-	-	-	a	-	+	+	+	4	+	2	
<i>V. lychnitis</i>	-	-	a	-	-	-	a	+	2	1	a	2	
<i>V. phlomoides</i>	-	-	-	-	-	-	-	+	2	-	a	-	
<i>V. thapsus</i>	+	+	+	+	+	+	+	+	4	+	+	+	
<i>Verbena officinalis</i>	-	-	-	-	-	-	-	+	2	1	a	a	
<i>Veronica anagallis-aquatica</i>	1	a	+	+	+	+	+	+	+	+	+	+	
<i>V. anagalloides</i>	-	-	-	-	-	-	-	?	-	-	-	-	
<i>V. austriaca</i> ssp. <i>austriaca</i> (<i>V. jacquinii</i>)	-	a	-	-	-	-	-	?	+	-	-	-	
<i>V. austriaca</i> ssp. <i>teucrium</i>	-	-	+	+	+	+	-	+	2	-	-	-	
<i>V. bellidioides</i>	-	-	-	-	-	-	-	1	-	-	-	-	
<i>V. catenata</i>	-	a	3	-	+	-	-	+	+	+	+	4	
<i>V. dillenii</i>	-	-	-	+	+	+	+	+	2	-	-	-	
<i>V. hederifolia</i>	a	a	a	+	a	3	+	+	+	+	+	+	
<i>V. longifolia</i> (<i>Pseudolysimachium longifolium</i>)	+	+	+	+	+	+	+	+	4	2	a	+	
<i>V. montana</i>	-	-	-	-	1	-	+	+	+	+	+	4	
<i>V. opaca</i>	+	a	3	a	a	+	+	+	2	2	a	+	
<i>V. paniculata</i>	-	-	-	-	-	-	-	2	-	-	-	-	
<i>V. polita</i>	+	a	3	a	a	+	+	+	2	0	a	+	
<i>V. praecox</i>	-	-	4	-	-	-	-	2	2	-	0	4	
<i>V. prostrata</i>	-	-	a	-	a	a	-	+	0	0	-	-	
<i>V. scutellata</i>	+	+	+	+	+	+	+	+	4	4	+	+	

Å L FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	L	A	F	I	N	L	E	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E		
<i>V. spicata</i> (<i>Pseudolysimachium spicatum</i>)	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. triphyllus</i>	-	-	-	-	-	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. verna</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>Vicia cassubica</i>	-	2	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<i>V. dumetorum</i>	-	-	-	-	-	-	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. lathyroides</i>	2	a	-	2	3	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<i>V. orobus</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>V. pisiformis</i>	-	-	-	-	-	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. sylvatica</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. tenuifolia</i>	-	-	-	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. villosa</i>	1	0	4	a	a	a	a	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	a	2	+	+			
<i>Vincetoxicum hirundinaria</i> (<i>V. officinale</i>)	+	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<i>Viola alba</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>V. canina</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. collina</i>	-	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. elatior</i>	-	-	-	1	2	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>V. epipsila</i>	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<i>V. hirta</i>	a	a	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. mirabilis</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. odorata</i>	a	a	a	a	a	a	a	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	a	+	+	+			
<i>V. palustris</i>	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. persicifolia</i> (<i>V. stagnina</i>)	1	4	+	+	3	1	-	2	1	0	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<i>V. pumila</i>	-	-	-	+	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>V. reichenbachiana</i> (<i>V. sylvestris</i>)	2	-	-	?	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<i>V. rupestris ssp. rupestris</i>	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<i>V. rupestris ssp. relict</i>	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>V. selkirkii</i>	-	+	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>V. tricolor ssp. curtisii</i> (<i>incl. V. litoralis</i>)	-	-	3	+	+	+	2	-	-	-	4	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>V. uliginosa</i>	1	2	3	+	3	1	-	1	-	-	1	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<i>Viscaria; see Lychnis</i>																																						
<i>Viscum album ssp. album</i>	-	-	-	-	1	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>V. album ssp. austriacum</i> (<i>V. laxum</i>)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Vulpia bromoides</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Woodsia alpina</i>	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>W. ilvensis</i>	+	+	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Xanthium strumarium ssp. strumarium</i>	-	-	a	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	a	-	-	-			
<i>Zannichellia palustris</i>	+	+	3	+	3	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>Zostera marina</i>	+	+	-	+	+	+	+	1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
<i>Z. noltii</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			

Å L A F I N L E N E S T L A T L I T K A L P O L M E C S C H D E N S W E

- ¹ *Agrostis vinealis* Schreber, syn. *A. stricta* J. F. Gmelin, *A. canina* L. ssp. *montana* (Hartman) Hartman.
- ² The *Aphanes microcarpa*-complex has been split into three taxa (Lippert 1984). *A. microcarpa* and *A. multiflora* are mediterranean and the taxon occurring in our part of Europe is called *A. inexpectata*.
- ³ Threat category for Sweden (Databanken för hotade arter och Naturvårdsverket 1991) has been changed in accordance with a preliminary decision by *Floravårdskommittén för kärlväxter* (Expert committee for vascular plants; October 28, 1991).
- ⁴ *Asplenium* × *alternifolium*; hybrid between *Asplenium trichomanes* ssp. *trichomanes* and *A. septentrionale*. Scattered throughout Europe with the parents, but probably not generally considered for, or eligible for, red lists.
- ⁵ *Baldellia repens*; sometimes treated as a variety of *B. ranunculoides*. Its distribution seems to be similar to that of *B. ranunculoides*.
- ⁶ New taxon to the Swedish red list of vascular plants (in relation to Databanken för hotade arter och Naturvårdsverket 1991) in accordance with a preliminary decision by *Floravårdskommittén för kärlväxter* (Expert committee for vascular plants; October 28, 1991).
- ⁷ *Bidens connata*; native of North America, naturalized in Western and Central Europe.
- ⁸ *Carex atherodes*. Discovered in Sweden in 1987; will probably be included in the Swedish red list.
- ⁹ *Cerastium fontanum* ssp. *scandinavicum* var. *kajanense*, syn. *Cerastium fontanum* ssp. *vulgare* (Hartman) Greuter & Burdet var. *kajanense* (Kotilainen & Salmi) Jalas.
- ¹⁰ *Dianthus arenarius* ssp. *arenarius*; has commonly been considered endemic to Southern Sweden, but practically identical plants are present also east of the Baltic Sea (Kurtto 1991, Miniaev & Samutina 1985).
- ¹¹ Hybrid that is not generally considered for, or eligible for, red lists.
- ¹² *Elymus farctus* ssp. *boreali-atlanticus*, syn. *Agropyron junceum* (L.) Beauv. ssp. *borealiatlanticum* Simonet & Guinocet, *Elytrigia junceiformis* A. & D. Löve.
- ¹³ *Gymnigritella runei*; described by Teppner & Klein (1989). It is apparently an allopolyploid species with 60 *Nigritella nigra* chromosomes and 20 *Gymnadenia* chromosomes.
- ¹⁴ *Halimione portulacioides*; one individual discovered in Sweden in 1991; status unknown (casual?).
- ¹⁵ *Hippuris lanceolata*; poorly known intermediate between *H. vulgaris* and *H. tetraphylla*.
- ¹⁶ *Juncus alpinoarticulatus* Chaix is the legitimate name for *Juncus alpinus* (Hähmet-Ahti 1980).
- ¹⁷ The genus *Najas* in the old world was revised by Triest (1988).
- ¹⁸ *Rorippa* × *anceps*; *Rorippa amphibia* × *sylvestris*.
- ¹⁹ *Rosa vosiagaca*; syn. *Rosa afzeliana* ssp. *vosagiaca*, *R. dumalis* ssp. *vosagiaca*, *R. dumalis* ssp. *dumalis*, *R. glauca* Vill. non Pourret, *R. glauca* Pourret ssp. *reuteri* (Godet) Hayek.
- ²⁰ *Rubus fruticosus* agg. For Mecklenburg-Vorpommern and Schleswig-Holstein, there are extensive red lists (Henker 1992, Walsemann 1990) for the large aggregate of *Rubus fruticosus*. Some of the taxa in these lists have a very local distribution ("Lokalsippen") or even consisting of only single stands ("Individualarten"). These taxa have been excluded here, as have some taxa which have yet to be validly described (having preliminary names). The taxonomy follows Weber (1973) but in some cases more recent descriptions.
- ²¹ *Senecio tataricus*; generally included in *Senecio paludosus*.
- ²² *Sonchus humilis*; in Flora Europaea included in *Sonchus arvensis* ssp. *arvensis*.
- ²³ There is a complex of closely related taxa within the species *Stipa pennata* and *S. joannis*. The distribution of these are partly unclear in details due to taxonomical confusion.
- ²⁴ What has been called *Utricularia ochroleuca* is two species; *U. ochroleuca* (s. str.) and *U. stygia* (Thor 1988). They are closely related to *U. intermedia*.
- ²⁵ *Vaccinium macrocarpon*; cultivated North American species, locally naturalized.

Lists of vertebrates

Abbreviations of geographical units

(See also p. 8 and 9)

ÅLA	<i>The Åland region of Finland</i>
FIN	<i>Finland excluding Åland</i>
PET	<i>The Leningrad region of Russia</i>
EST	<i>Estonia</i>
LAT	<i>Latvia</i>
LIT	<i>Lithuania</i>
KAL	<i>The Kaliningrad region of Russia</i>
POL	<i>Poland</i>
MEC	<i>The state of Mecklenburg-Vorpommern of Germany</i>
SCH	<i>The state of Schleswig-Holstein of Germany</i>
DEN	<i>Denmark</i>
SWE	<i>Sweden</i>

Threat categories

(See also Chapter 3)

0	<i>Extinct (or probably extinct)</i>
1	<i>Endangered</i>
2	<i>Vulnerable</i>
3	<i>Rare</i>
4	<i>Care demanding</i>
?	<i>Indeterminate</i>

Other symbols

(See also p. 11)

+	<i>Present (occurring, not threatened)</i>
—	<i>Absent</i>

A. Mammals

	ÅLA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Alopex lagopus</i> Arctic fox	-	1	-	-	-	-	-	-	-	-	-	2
<i>Apodemus agrarius</i> Striped field mouse	-	+	+	+	+	+	+	+	3	4	-	-
<i>A. sylvaticus</i> Wood mouse	-	-			+	+	+	+	4	+	+	+
<i>Barbastella barbastellus</i> Barbastelle bat	-	-	-	-	3	?	3	3	1	0	3	2
<i>Bison bonasus</i> European bison ¹	-	-	-	-	-	(+)	0	+	-	-	-	-
<i>Canis lupus</i> Wolf	0	2	+	+	+	+	+	3	-	-	-	1
<i>Castor fiber</i> European beaver	-	3	+	+	+	+	+	+	4	-	-	+
<i>Cricetus cricetus</i> Common hamster	-	-	-	-	-	-	-	+	1	-	-	-
<i>Crocidura leucodon</i> Bicolor white-toothed shrew	-	-	-	-	-	-	-	+	1	1	-	-
<i>C. suaveolens</i> Lesser white-toothed shrew	-	-	-	-	-	-	-	+	1		-	-
<i>Dryomys nitedula</i> Forest dormouse	-	-	-	-	3	3	3	3	-	-	-	-
<i>Eliomys quercinus</i> Garden dormouse	-	1	4	1	3	?	3	?	0	0	-	-
<i>Eptesicus nilssonii</i> Northern bat	+	+	3	+	+	?	3	3	0	-	-	+
<i>E. serotinus</i> Serotine bat	-	-	-	-	-	?	3	+	4	4	+	3
<i>Erinaceus concolor</i> E. European hedgehog	-	-	-	3					-	-	-	-
<i>E. europaeus</i> W. European hedgehog	+	+	+	+	?	+	+	+	4	+	+	4
<i>Felis lynx</i> (Lynx lynx) Lynx	0	3	+	+	+	+	3	3	-	-	-	2
<i>F. silvestris</i> European wild cat	-	-	-	-	-	-	-	1	-	-	-	-
<i>Glis glis</i> Fat dormouse	-	-	-	-	1	3	3	3	4	0	-	-
<i>Gulo gulo</i> Wolverine	-	1	1	?	-	-	-	-	-	-	-	2
<i>Halichoerus grypus</i> Grey seal	2	2	1	2	1	1	1	1	0	4	1	2
<i>Lepus europaeus</i> (L. capensis) Brown hare	+	+	+	+	+	+	+	+	4	+	4	+
<i>L. timidus</i> Arctic (Blue) hare	+	+	+	+	+	3	3	3	-	-	-	+
<i>Lutra lutra</i> Otter	1	4	+	+	?	?	+	3	2	1	1	2
<i>Lynx</i> ; see <i>Felis</i>												
<i>Marmota marmota</i> Alpine marmot	-	-	-	-	-	-	-	1	-	-	-	-
<i>Martes foina</i> Stone (Beech) marten	-	-	-	3	?	+	+	+	+	+	-	-
<i>M. martes</i> Pine marten	+	+	+	+	+	+	+	+	2	4	3	+
<i>Meles meles</i> Badger	3	+	+	+	+	+	+	+	+	+	+	+
<i>Micromys minutus</i> Harvest mouse	-	+	+	+	+	+	+	+	3	+	+	3
<i>Microtus nivalis</i> Snow vole	-	-	-	-	-	-	-	3	-	-	-	-
<i>M. oeconomus</i> Root vole	-	+	+	?	+	+	+	+	3	0	-	+
<i>Musccardinus avellanarius</i> Muscardin	-	-	-	1	?	+	+	+	0	4	2	4
<i>Mustela erminea</i> Stoat	3	+	+	+	?	+	+	+	+	+	+	+
<i>M. eversmanni</i> Steppe polecat	-	-	-	-	-	-	-	3	-	-	-	-
<i>M. lutreola</i> European mink	-	0	2	1	1	0	?	0	0	0	-	-
<i>M. nivalis</i> Weasel (Lesser weasel)	+	+	+	+	+	+	+	+	4	+	+	+
<i>M. putorius</i> Polecat	+	+	+	+	+	+	+	+	4	4	+	+
<i>Myotis bechsteini</i> Bechstein's bat	-	-	-	-	-	-	?	2	-	1	3	1
	ÅLA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE

B. Birds

	ÅLA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Accipiter gentilis</i> Goshawk	+	+	+	+	+	+	+	+	4	4	+	4
<i>A. nisus</i> Sparrowhawk	+	+	+	+	+	+	+	+	4	2	+	+
<i>Acrocephalus arundinaceus</i> Great reed warbler	-	+	4	+	+	+	+	+	4	2	2	3
<i>A. paludicola</i> Aquatic warbler	-	-	-	-	3	?	3	3	1	0	-	-
<i>A. schoenobaenus</i> Sedge warbler	+	+	+	+	+	+	+	+	4	4	4	+
<i>A. scirpaceus</i> Reed warbler	+	+	4	+	+	+	+	+	+	+	+	+
<i>Actitis hypoleucos</i> (<i>Tringa hypoleucos</i>) Common sandpiper	+	+	+	+	+	+	+	+	1	-	-	+
<i>Aegithalos caudatus</i> Long-tailed tit	4	4	+	+	+	+	+	+	+	+	+	+
<i>Aegolius funereus</i> Tengmalm's owl	+	+	4	+	3	3	3	3	-	-	-	+
<i>Alauda arvensis</i> Skylark	+	+	+	+	+	+	+	+	+	4	4	+
<i>Alca torda</i> Razorbill	+	+	-	+	-	-	-	-	-	3	3	+
<i>Alcedo atthis</i> Kingfisher	-	-	3	3	3	3	4	+	4	4	3	4
<i>Anas acuta</i> Pintail	3	+	4	+	+	3	2	2	1	3	3	4
<i>A. clypeata</i> Shoveler	+	+	3	+	+	3	+	+	4	4	+	+
<i>A. crecca</i> Teal	+	+	+	+	+	+	+	+	4	4	+	+
<i>A. penelope</i> Wigeon	3	+	2	+	+	+	3	3	-	-	3	+
<i>A. querquedula</i> Garganey	3	+	4	+	+	+	+	+	2	4	+	2
<i>A. strepera</i> Gadwall	3	+	2	+	+	3	2	+	+	+	+	+
<i>Anser anser</i> Greylag goose	+	+	2	+	3	2	2	+	+	+	+	+
<i>A. erythropus</i> Lesser white-fronted goose	-	1	-	-	-	-	-	-	-	-	-	1
<i>A. fabalis</i> Bean goose	-	+	-	-	-	-	-	-	-	-	-	4
<i>Anthus campestris</i> Tawny pipit	-	-	-	3	3	?	2	2	2	1	3	2
<i>A. pratensis</i> Meadow pipit	+	+	+	+	+	+	+	+	+	4	+	+
<i>A. spinoletta littoralis</i> (<i>Anthus petrosus</i>) Rock pipit ("littoralis")	+	+	-	+	-	-	-	-	-	-	3	+
<i>Aquila chrysaetos</i> Golden eagle	-	2	1	1	1	0	0	1	0	-	-	4
<i>A. clanga</i> Spotted eagle	-	1	2	-	1	0	1	1	-	-	-	-
<i>A. pomarina</i> Lesser spotted eagle	-	-	1	2	3	3	3	3	1	0	-	-
<i>Ardea cinerea</i> Grey heron	?	+	?	+	+	+	+	+	+	+	+	4
<i>Arenaria interpres</i> Turnstone	+	+	2	+	-	-	-	-	0	1	2	+
<i>Asio flammeus</i> Short-eared owl	3	+	2	3	1	?	3	2	1	4	3	+
<i>Athene noctua</i> Little owl	-	-	-	-	3	?	3	+	1	2	2	-
<i>Aythya marila</i> Scaup	1	2	2	+	-	-	-	-	-	-	3	4
<i>A. nyroca</i> Ferruginous duck	-	-	?	-	-	?	2	2	1	0	-	-
<i>Botaurus stellaris</i> Bittern	-	+	3	3	3	3	3	2	2	4	3	4
<i>Branta leucopsis</i> Barnacle goose	-	-	-	4	-	-	-	-	-	-	3	4
<i>Bubo bubo</i> Eagle owl	4	+	2	3	1	1	1	3	0	1	0	2
<i>Bucephala clangula</i> Goldeneye	+	+	3	+	+	+	3	3	4	4	3	+
<i>Burhinus oedicephalus</i> Stone-curlew	-	-	-	-	-	+	0	1	0	0	-	-

ÅLA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	L	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
Calidris alpina schinzii Dunlin ("shinzii")	0	1	1	+	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Caprimulgus europaeus Nightjar	2	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carduelis cannabina Linnet	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C. flammea flammea Redpoll	-	+	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C. flammea cabaret W. European redpoll	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C. spinus Siskin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carpodacus erythrurus Scarlet rosefinch	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Cepphus grylle Black guillemot	+	+	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Charadrius alexandrinus Kentish plover	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C. dubius Little ringed plover	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C. hiaticula Ringed plover	3	+	1	+	3	+	2	2	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C. morinellus Dotterel	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Chlidonias hybridus Whiskered tern	-	-	-	-	-	-	+	?	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C. leucopterus White-winged black tern	-	-	-	-	3	+	?	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C. niger Black tern	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ciconia ciconia White stork	-	-	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C. nigra Black stork	-	-	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
Cinclus cinclus Dipper	-	3	1	-	?	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Circaetus gallicus Short-toed eagle	-	-	1	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Circus aeruginosus Marsh harrier	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C. cyaneus Hen harrier	-	+	2	3	1	-	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
C. pygargus Montagu's harrier	-	-	2	3	3	3	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Coccothraustes coccothraustes Hawfinch	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Columba oenas Stock dove	+	+	2	3	2	2	2	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Coracias garrulus Roller	-	-	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Corvus corax Raven	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C. frugilegus Rook	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C. monedula Jackdaw	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Coturnix coturnix Quail	0	0	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Crex crex Corncrake	2	2	4	+	2	?	3	2	1	2	1	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Cygnus cygnus Whooper swan	2	+	1	+	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C. olor Mute swan	+	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Delichon urbica House martin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dendrocopos leucotos White-backed woodpecker	-	1	4	3	3	?	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D. medius Middle spotted pecker	-	-	-	-	3	+	+	+	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D. minor Lesser spotted woodpecker	4	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Dryocopus martius Black woodpecker	4	+	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Emberiza aureola Yellow-breasted bunting	-	+	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>E. calandra</i> ; see <i>Miliaria calandra</i>																																
E. hortulana Ortolan bunting	3	+	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
E. pusilla Little bunting	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
E. rustica Rustic bunting	-	+	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Eremophila alpestris Shore lark	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Å L F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	L	F	I	N	E	S	T	L	A	T	L	I	T	K	A	L	P	O	L	M	E	C	S	C	H	D	E	N	S	W	E
<i>Eudromias morinellus</i> ; see <i>Charadrius morinellus</i>																																
Falco columbarius Merlin	1	4	3	2	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
F. peregrinus Peregrine	0	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
F. rusticolus Gyrfalcon	–	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
F. subbuteo Hobby	3	4	4	+	+	+	3	+	2	4	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
F. tinnunculus Kestrel	1	4	3	2	1	?	2	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4
F. vespertinus Red-footed falcon	–	–	2	–	–	–	–	?	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Ficedula hypoleuca Pied flycatcher	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	+	+
F. parva Red-breasted flycatcher	2	3	4	+	+	+	+	+	+	3	3	–	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	–	4	+
Fratercula arctica Puffin	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0
Galerida cristata Crested lark	–	–	0	?	3	1	0	3	+	1	4	0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallinago gallinago Snipe	+	+	+	+	+	+	+	+	+	2	2	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
G. media Great snipe	–	1	2	2	1	1	0	2	0	0	0	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gavia arctica Black-throated diver	2	4	1	1	1	1	–	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
G. stellata Red-throated diver	1	4	0	0	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4
Gelochelidon nilotica Gull-billed tern	–	–	–	–	–	–	–	–	–	0	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Glaucidium passerinum Pygmy owl	–	+	4	+	?	?	0	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+
Grus grus Crane	2	+	4	4	3	3	3	+	4	1	1	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Haematopus ostralegus Oystercatcher	+	+	2	+	3	?	1	3	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Haliaeetus albicilla White-tailed eagle	2	1	2	1	1	1	1	3	2	1	0	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hieraaetus pennatus Booted eagle	–	–	–	–	–	–	–	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
<i>Hydroprogne</i> ; see <i>Sterna</i>																																
Ixobrychus minutus Little bittern	–	–	1	3	1	?	3	2	1	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Jynx torquilla Wryneck	+	+	+	+	+	+	+	+	+	4	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lagopus lagopus Willow grouse	–	+	3	1	1	0	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+
Lanius collurio Red-backed shrike	+	+	+	+	+	+	+	+	+	4	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
L. excubitor Great grey shrike	–	+	3	2	3	3	3	3	2	1	3	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
L. minor Lesser grey shrike	–	–	–	–	0	?	0	1	0	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
L. senator Woodchat shrike	–	–	–	–	–	–	–	2	0	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Larus canus Common gull	+	+	+	+	+	+	0	+	+	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
L. fuscus fuscus Lesser black-backed gull	4	4	4	+	–	–	–	?	3	–	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
L. marinus Great black-backed gull	+	+	1	+	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	+
L. melanocephalus Mediterranean gull	–	–	–	–	–	–	–	?	3	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
L. minutus Little gull	–	+	+	+	+	+	2	3	–	–	3	2	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Limosa lapponica Bar-tailed godwit	–	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3
L. limosa Black-tailed godwit	1	+	2	+	2	2	2	+	1	2	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Locustella fluviatilis River warbler	–	+	4	+	+	+	+	+	3	3	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
L. luscinioides Savi's warbler	–	–	1	+	3	+	+	+	4	+	3	–	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
L. naevia Grasshopper warbler	3	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Loxia leucoptera Two-barred crossbill	–	+	2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
L. pytyopsittacus Parrot crossbill	3	+	3	+	+	+	?	?	–	–	?	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lullula arborea Woodlark	2	2	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Luscinia svecica cyanecula Bluethroat ("cyanecula")	–	–	4	?	?	?	2	2	2	1	0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Å L F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E																																

Å L F I N E S T L A T L I T K A L P O L M E C S C H D E N S W E

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>L. svecica svecica</i> Bluethroat	-	+	1	-	?	?	-	3	-	-	-	-	+
<i>Lymnocyptes minimus</i> Jack snipe	-	+	2	?	0	-	-	1	-	0	-	-	4
<i>Melanitta fusca</i> Velvet scoter	+	4	2	+	-	-	-	-	-	-	-	-	+
<i>M. nigra</i> Scoter	-	4	-	-	-	-	-	-	-	-	-	-	+
<i>Mergus albellus</i> Smew	-	+	1	-	-	-	-	-	-	-	-	-	4
<i>M. merganser</i> Goosander	+	+	4	+	2	3	3	3	1	2	2	+	+
<i>M. serrator</i> Red-breasted merganser	+	+	3	+	1	2	-	1	4	4	+	+	+
<i>Merops apiaster</i> Bee-eater	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>Miliaria calandra</i> (<i>Emberiza calandra</i>) Corn bunting	-	-	-	-	-	1	0	+	2	1	4	1	1
<i>Milvus migrans</i> Black kite	-	+	3	2	2	2	3	3	4	1	-	-	-
<i>M. milvus</i> Red kite	-	-	-	-	1	1	0	3	4	4	3	4	4
<i>Motacilla cinerea</i> Grey wagtail	-	+	-	-	-	-	0	+	3	3	+	+	+
<i>M. flava flava</i> Yellow wagtail	4	+	+	+	+	+	+	+	+	4	+	4	4
<i>M. flava flavissima</i> Yellow wagtail ("flavissima")	-	-	-	-	-	-	-	-	-	-	3	-	-
<i>Netta rufina</i> Red-breasted pochard	-	-	-	-	-	-	-	3	2	2	0	-	-
<i>Nucifraga caryocatactes</i> Nutcracker	3	+	1	+	+	+	+	+	-	-	-	4	4
<i>Numenius arquata</i> Curlew	4	+	4	+	2	2	1	2	1	4	+	4	4
<i>N. phaeopus</i> Whimbrel	-	+	4	+	3	-	-	-	-	-	-	+	+
<i>Nyctea scandiaca</i> Snowy owl	-	2	-	-	-	-	-	-	-	-	-	3	3
<i>Nycticorax nycticorax</i> Night heron	-	-	-	-	-	-	-	3	-	-	-	-	-
<i>Oenanthe oenanthe</i> Northern wheatear	+	+	+	+	+	+	+	+	4	3	+	+	+
<i>Oriolus oriolus</i> Golden oriole	-	+	+	+	+	+	+	+	+	3	+	3	3
<i>Otis tarda</i> Great bustard	-	-	-	-	-	-	-	0	0	0	0	0	0
<i>Pandion haliaetus</i> Osprey	3	4	3	1	3	3	1	1	2	0	1	4	4
<i>Panurus biarmicus</i> Bearded tit	-	-	-	+	3	3	3	3	4	3	3	4	4
<i>Parus montanus</i> Willow tit	+	+	+	+	+	+	+	+	+	+	3	+	+
<i>Passer domesticus</i> House sparrow	+	+	+	+	+	+	+	+	+	+	4	+	+
<i>Perdix perdix</i> Grey partridge	0	4	1	+	2	+	4	+	4	4	4	4	4
<i>Pernis apivorus</i> Honey buzzard	3	+	+	+	+	3	3	+	4	4	+	4	4
<i>Phalacrocorax carbo sinensis</i> Cormorant ("sinensis")	-	-	-	+	+	+	+	+	+	2	4	4	4
<i>Phalaropus lobatus</i> Red-necked phalarope	-	+	-	3	-	-	-	-	-	-	-	+	+
<i>Philomachus pugnax</i> Ruff	-	+	4	+	2	2	1	2	1	1	+	4	4
<i>Phoenicurus phoenicurus</i> Redstart	+	+	+	+	+	+	+	+	+	+	4	+	+
<i>Phylloscopus borealis</i> Arctic warbler	-	+	2	-	-	-	-	-	-	-	-	3	3
<i>P. trochiloides</i> Greenish warbler	-	+	3	+	+	+	3	3	-	-	-	3	3
<i>Picoides tridactylus</i> Tree-toed woodpecker	3	+	3	+	3	1	-	3	-	-	-	4	4
<i>Picus canus</i> Grey-headed woodpecker	4	3	3	+	+	2	3	+	-	-	-	3	3
<i>P. viridis</i> Green woodpecker	-	-	3	+	3	3	+	+	4	4	+	+	+
<i>Platalea leucorodia</i> Spoonbill	-	-	-	-	-	-	-	-	-	-	0	-	-
<i>Pluvialis apricaria</i> Golden plover	-	+	3	+	3	1	1	0	0	0	1	4	4
<i>Podiceps auritus</i> Slavonian grebe	+	+	+	+	3	+	-	-	-	-	0	4	4
<i>P. grisegena</i> Red-necked grebe	-	+	2	3	+	3	2	+	3	3	+	4	4
<i>P. nigricollis</i> Black-necked grebe	-	-	1	+	2	2	2	+	2	1	3	1	1

Å LA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>P. ruficollis</i> ; see <i>Tachybaptus ruficollis</i>													
Porzana parva Little crane	-	-	-	?	3	?	2	2	1	-	-	-	
P. porzana Spotted crane	+	+	4	+	2	3	3	2	2	2	3	2	
P. pusilla Baillon's crane	-	-	-	-	-	+	-	0	-	-	-	-	
Prunella collaris Alpine accentor	-	-	-	-	-	-	-	3	-	-	-	-	
P. modularis Dunnock	+	+	+	+	+	+	+	+	+	+	4	+	
Rallus aquaticus Water rail	+	+	2	+	+	+	+	+	+	+	+	+	
Recurvirostra avosetta Avocet	-	-	-	3	-	-	-	-	4	+	4	4	
Regulus ignicapillus Firecrest	-	-	-	-	-	-	-	+	+	+	3	-	
Remiz pendulinus Penduline tit	-	-	2	3	3	+	+	+	3	3	3	3	
Riparia riparia Sand martin	2	+	+	+	+	+	+	+	4	+	4	4	
Rissa tridactyla Kittiwake	-	-	-	-	-	-	-	-	-	3	3	3	
Saxicola rubetra Whinchat	+	+	+	+	+	+	+	+	4	4	+	+	
S. torquata Stonechat	-	-	-	-	-	-	-	3	-	1	3	-	
Scolopax rusticola Woodcock	+	+	+	+	+	+	+	+	+	4	+	+	
Serinus serinus Serin	-	-	2	+	+	+	+	+	+	4	3	3	
Somateria mollissima Eider	+	+	2	+	-	-	-	-	-	3	+	+	
Stercorarius parasiticus Arctic skua	4	+	-	-	-	-	-	-	-	-	0	4	
Sterna albifrons Little tern	-	+	2	+	3	3	2	3	1	2	3	4	
S. caspia (Hydroprogne caspia) Caspian tern	2	2	2	3	-	-	-	-	1	0	0	2	
S. dougalli Roseate tern	-	-	-	-	-	-	-	-	-	0	-	-	
S. hirundo Common tern	+	+	+	+	+	+	+	+	4	2	+	+	
S. paradisaea Arctic tern	+	+	3	+	3	+	0	3	2	4	+	+	
S. sandvicensis Sandwich tern	-	-	-	+	-	-	-	3	3	4	3	2	
Streptopelia decaocto Collared dove	-	+	2	+	+	+	+	+	+	+	+	+	
S. turtur Turtle dove	-	+	4	+	+	+	+	+	+	3	3	-	
Strix aluco Tawny owl	2	+	+	+	+	+	+	+	+	+	+	+	
S. nebulosa Great grey owl	-	+	3	-	-	-	-	?	-	-	-	4	
S. uralensis Ural owl	-	+	4	+	3	-	+	3	-	-	-	4	
Surnia ulula Hawk owl	-	+	1	-	-	-	-	-	-	-	-	+	
Sylvia nisoria Barred warbler	4	+	4	+	+	+	+	+	4	1	2	+	
Tachybaptus ruficollis (Podiceps ruficollis)													
Little grebe	-	-	1	+	3	+	3	+	4	+	+	+	
Tadorna tadorna Shelduck	3	+	1	+	3	?	3	3	+	+	+	+	
Tetrao tetrix Black grouse	+	+	+	+	3	2	2	+	0	1	1	+	
T. urogallus Capercaillie	2	+	+	+	3	2	0	1	0	-	-	4	
Tetrax tetrax Little bustard	-	-	-	-	-	-	-	0	-	-	-	-	
Tringa glareola Wood sandpiper	4	+	+	+	+	2	1	1	-	1	1	+	
<i>T. hypoleucos</i> ; see <i>Actitis hypoleucos</i>													
T. nebularia Greenshank	-	+	4	3	?	-	-	-	-	-	-	+	
T. ochropus Green sandpiper	4	+	+	+	+	+	+	+	3	1	3	+	
T. stagnatilis Marsh sandpiper	-	-	3	-	3	-	-	-	-	-	-	-	
T. totanus Redshank	+	+	3	+	3	2	3	+	2	4	+	+	

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	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Turdus iliacus</i> Redwing	+	+	+	+	+	+	+	3	+	-	-	-	+
<i>T. pilaris</i> Fieldfare	+	+	+	+	+	+	+	+	+	3	3	+	+
<i>T. viscivorus</i> Mistle thrush	+	+	4	+	+	+	+	3	+	+	+	-	+
<i>Tyto alba</i> Barn owl	-	-	-	-	?	3	2	+	2	2	1	0	
<i>Upupa epops</i> Hoopoe	-	-	1	2	2	2	2	+	1	0	0	3	
<i>Uria aalge</i> Guillemot	2	+	-	-	-	-	-	-	-	3	3	4	
<i>Vanellus vanellus</i> Lapwing	+	+	+	+	+	+	+	+	+	4	4	+	
<i>Xenus cinereus</i> Terek sandpiper	-	1	-	-	?	-	-	-	-	-	-	-	

Å LA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

C. Reptiles

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Anguis fragilis</i> Slowworm (Blindworm)	0	+	4	+	+	+	+	+	+	4	4	+	+
<i>Coronella austriaca</i> Smooth snake	1	-	-	-	1	1	-	3	1	1	0	4	
<i>Elaphe longissima</i> Aesculapian snake	-	-	-	-	-	-	-	1	-	-	0	-	
<i>Emys orbicularis</i> European pond tortoise	-	-	-	-	1	1	1	1	1	0	-	-	
<i>Lacerta agilis</i> Sand lizard	-	-	1	3	?	+	+	+	+	2	2	4	4
<i>L. viridis</i> Green lizard	-	-	-	-	-	-	-	?	-	-	-	-	
<i>L. vivipara</i> Common lizard (Viviparous lizard)	+	+	+	+	+	+	+	+	+	4	+	+	+
<i>Natrix natrix</i> gotlandica Grass (Ringed) snake ("gotlandica")	-	-	-	-	-	-	-	-	-	-	-	-	4
<i>N. natrix natrix</i> Grass (Ringed) snake	+	+	1	+	+	+	+	+	+	4	2	4	4
<i>Vipera berus</i> Adder (Northern viper)	+	+	+	+	+	+	+	+	+	2	2	+	+

Å LA FIN LEN EST LAT LIT KAL POL MEC SCH DEN SWE

D. Amphibians

	Å	LA	FIN	LEN	EST	LAT	LIT	KAL	POL	MEC	SCH	DEN	SWE
<i>Bombina bombina</i> Fire-bellied toad	-	-	-	-	1	?	4	2	2	2	1	2	
<i>Bufo bufo</i> Common toad	+	+	+	+	+	+	+	+	+	4	+	4	+
<i>B. calamita</i> Natterjack	-	-	-	1	2	+	3	+	2	4	4	2	
<i>B. viridis</i> Green toad	-	-	-	3	3	+	3	+	2	2	2	1	
<i>Hyla arborea</i> Green tree frog	-	-	-	-	1	-	-	+	4	2	2	2	
<i>Pelobates fuscus</i> Spade foot toad	-	-	1	3	?	+	3	+	4	4	4	4	
<i>Rana arvalis</i> Moor frog	+	+	+	+	+	+	+	+	4	+	4	+	
<i>R. dalmatina</i> Agile frog	-	-	-	-	-	-	-	3	1	1	4	2	
<i>R. esculenta</i> Edible frog	-	-	-	+	-	+	-	+	4	+	4	4	
<i>R. lessonae</i> Pool frog	-	-	3	+	+	+	+	+	2	-	-	2	
<i>R. ridibunda</i> Marsh (Laughing) frog	-	-	3	1	+	+	+	+	2	2	3	-	
<i>R. temporaria</i> Common frog	+	+	+	+	+	+	+	+	4	+	4	+	
<i>Salamandra salamandra</i> European (Fire) salamander	-	-	-	-	-	-	-	+	-	1	-	-	
<i>Triturus alpestris</i> Alpine newt	-	-	-	-	-	-	-	+	-	1	2	-	
<i>T. cristatus</i> Crested newt	1	2	2	3	2	?	4	+	2	4	4	4	
<i>T. montandoni</i> Carpathian newt	-	-	-	-	-	-	-	3	-	-	-	-	
<i>T. vulgaris</i> Common (Smooth) newt	+	+	+	+	+	+	+	+	4	+	4	+	

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The below references represent the main sources from which information has been gathered for the compilation of the lists presented in Chapter 9 and 10. If local red lists have not been available then it has been the responsibility of the members of the expert group to fill in gaps. Information about the occurrence or absence of non-threatened taxa and about the occurrence of alien/anthropogenic plants not eligible for the separate red list has also been given by the members of the expert group. For vascular plants in the Kaliningrad region, A. Lekavičius, Lithuania, has provided much information.

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Abstract in the various languages

An abstract has been translated into the various national languages of concern, and is here presented in the following order: Finnish, Russian, Estonian, Latvian, Lithuanian, Polish, German, Danish and Swedish. Abstract in English: see back cover.

ITÄMEREN ALUEEN PUNAINEN KIRJA

Osa 1. Uhanalaisten putkilokasvien ja selkärankaisten eläinten luettelot

Vuonna 1986 käynnistyi Itämeren maiden välillä yhteyso alueen uhanalaisten lajien tutkimiseksi ja suojelemiseksi. Yhteistyöhön osallistuvat maat tai hallinnolliset alueet ovat: *Ahvenanmaa, Suomi* (poislukien Ahvenanmaa), *Leningradin alue, Eesti, Latvia, Liettua, Kaliningradin alue, Puola, Mecklenburg-Vorpommern, Schleswig-Holstein, Tanska ja Ruotsi*.

Kunkin maan ja osa-alueen edustajat muodostivat asiantuntijatyöryhmän, jonka tehtävänä oli koota tiedot uhanalaisista lajeista Itämeren alueen punaista kirjaa varten.

Tähän ensimmäiseen osaan on koottu osanottajamaiden ja hallinnollisten alueiden uhanalaisten lajien (putkilokasvit ja selkärankaisten eläimet kaloja lukuunottamatta) luettelot. Myöhemmin ilmestynvä toinen osa sisältää kuvaukset noin sadasta putkilokasvista ja 50:stä selkärankaisestä eläimestä, joilla on yhteistä mielenkiintoa alueella.

Ensimmäisen osan taulukossa kasvit ja eläimet esitellään tieteellisen nimen mukaisessa aakkosjärjestyksessä. Uhanalaisuusluokat noudattavat IUCN:n luokitusta: *hävinneet* (0), *erittäin uhanalaiset* (1), *vaarantuneet* (2), *harvinaiset* (3) ja *puutteellisesti tunnetut* (?) lajit. Toisinaan on käytetty myös luokkaa silmälläpidettävät *taantuneet* (4), vaikka se ei olekaan virallinen IUCN:n luokka. Muut taulukossa käytetyt symbolit ovat: (+) esiintyy alueella, ei uhanalainen ja (–) ei esiinny alueella, mutta alkuperänsä takia ei kuulu uhanalaisten lajien luetteloon (äskettäinen tulokas, pääasiassa ihmisen mukana kulkeutunut taksoni; kriteerit ja esiintymisajat vaihtelevat suuresti eri alueilla).

КРАСНАЯ КНИГА БАЛТИЙСКОГО РЕГИОНА

Часть I. Списки сосудистых растений и позвоночных животных, находящихся в опасности.

В 1986 г. началась разработка совместной программы исследования, документирования и практической охраны видов, находящихся в опасности, в Балтийском регионе. В ней приняли участие следующие страны или административные регионы

(части стран): Аландский регион Финляндии, Финляндия (без Аландского региона), Ленинградская область России, Эстония, Латвия, Литва, Калининградская область России, Польша, Германские земли Мекленбург-Форпоммерн и Шлезвиг-Голштейн, Дания и Швеция. Представители всех этих стран и областей образовали экспертную группу для сбора информации о видах, находящихся в опасности, и публикации Красной книги.

Первый том содержит списки видов сосудистых растений и позвоночных животных (кроме рыб), находящихся в опасности, во всех перечисленных странах и областях вокруг Балтийского моря. В следующий, второй том включены монографические очерки примерно о 100 видах сосудистых растений и 50 позвоночных животных, представляющих общий интерес для всего региона.

Растения и животные представлены в алфавитном порядке согласно их научным наименованиям. Статус видов обозначен в соответствии с категориями уязвимости, предложенными МСОП: *исчезнувшие (вымершие)* (0), *находящиеся под угрозой вымирания* (1), *уязвимые* (2), *редкие* (3) и *неопределенные* (?). Иногда используется категория *требующие внимания* (4), хотя она и не входит в официальную классификацию МСОП. Кроме того, применяются символы: (+) "встречаются, но находятся вне опасности" и (-) "не встречаются". Для растений дополнительно введен символ (а): "встречается, но не может быть включен в список Красной книги, несмотря на его статус" (виды, недавно интродуцированные, в основном, человеком; критерии статуса и сроки интродукции сильно варьируют внутри региона).

LÄÄNEMERE REGIOONI PUNANE RAAMAT

1 osa. Ohustatud soontaimede ja selgroogsete nimistud

1986. a. alustati Läänemere regioonis koostööprogrammi ohustatud liikide uurimiseks, seisundi hindamiseks ja kaitsmiseks. Sellesse lülitusid järgmised maad ja halduspiirkonnad (maade osad): Soome *Ahvenamaa piirkond*, Soome (ilma Ahvenmaata), Venemaa *Leningradi piirkond*, Eesti, *Läti*, *Leedu*, Venemaa *Kaliningradi piirkond*, Poola, Saksamaa liidumaa *Mecklenburg-Vorpommern* ja *Schleswig-Holstein*, Taani ja Rootsi. Punase raamatu koostamiseks vajaliku teabe kogumiseks moodustati kõigi nende maade ja piirkondade esindajatest koosnev ekspertgrupp.

Kāesolev punase raamatu esimene osa sisaldab kõigi koostöös osalenud Läänemerd ümbritsevate maade ja halduspiirkondade hävimisohus olevate liikide (soontaimed ja selgroogsed, välja arvatud kalad) nimestikud. Järgnev teine osa sisaldab monograafiad umbes 100 ühist huvi pakkuva soontaim- ja 50 selgroogseliigi kohta.

Taimed ja loomad on esitatud nende ladinakeelsete nimetuste tähestikulisel järjekorras. Ohukategooriad järgivad IUCN-i süsteemi: *hävunud* (0), *kaduvad* (1), *ohualtid* (2), *haruldased* (3) ja *määratlemata* (?). Mõningatel juhtudel kasutatakse siiski ka kategooriat *tähelepanu vajavad* (4), mis puudub IUCN-i ametlikus süsteemis. Muude märkide tähendus on: (+) “esineb, kuid ei ole ohustatud” ja (–) “ei esine”. Taimede puhul kasutatakse ka märki (a) “esineb, kuid seisundile vaatamata ei saa võtta punase raamatu nimestikku” (hilistulnukad, põhiliselt inimkaaslejad liigid; kriteeriumid ja ajaskaalad on regioonis suuresti erinevad).

BALTIJAS REGIONA SARKANĀ GRĀMATA

1. daļa: Apdraudēto vaskulāro augu un mugurkaulnieku sugu saraksti

Sadarbības programma, kuras mērķis ir apdraudēto sugu pētniecība, dokumentēšana un praktiska aizsardzība Baltijas reģionā, sāka 1986. gadā. Programmā piedalās sekojošas valstis vai administratīvi apgabali (valstu daļas): Somijas Ālandu apgabals, Somija (bez Ālandu apgabala), Krievijas Leningradas apgabals, Igaunija, Latvija, Lietuva, Krievijas Kaļiņingradas apgabals, Polija, Vācijas zemes Meklenburga-Forpomerānija un Šlēzvinga-Holšteina, Dānija un Zviedrija. Visu minēto valstu un apgabalu pārstāvjī izveidoja ekspertu grupas, lai apkopotu informāciju par apdraudētajām sugām Sarkanajai grāmatai.

Šis I sējums satur apdraudēto sugu (vaskulāro augu un mugurkaulnieku, neskaitot zivis) sarakstus visās dalībvalstīs un administratīvajos apgabalos ap Baltijas jūru. Tam sekos 2 sējums, kas saturēs apmēram 100 vaskulāro augu un 50 mugurkaulnieku sugu aprakstus, par kurām ir kopīgas intereses visā reģionā.

Augi un dzīvnieki ir sarindoti alfabētiskā secībā pēc to zinātniskajiem nosaukumiem. Apdraudētības kategorijas izvēlētas atbilstoši IUCN sistēmai: Izzudusi (0), Izzūdoša (1), Dilstoša (2), Reta (3), Nenoteikta (?) suga (taksons). Reizēm ir lietots apzīmējums Rūpes prasoša (4), lai gan tā nav oficiāla IUCN kategorija. Pārējie simboli ir (+): “sastopama, bet nav apdraudēta” un (–): “nav sastopama”. Augu taksoniem lietots arī simbols (a): “sastopams, bet nav uzskatīts par iekļaujamu Sarkanās grāmatas sarakstos, neskatoties uz statusu” (galvenokārt antropogēni taksoni, kritēriji un iecelšanas vai naturalizācijas laiks plaši variē reģiona robežās).

BALTIJOS REGIONO RAUDONOJI KNYGA

1 dalis. Nykstančių aukštesniųjų augalų ir stuburinių gyvūnų sąrašai

1986 metais buvo pradėta bendradarbiavimo programa, apimanti nykstančių rūšių tyrimus, inventorizaciją bei praktinę jų apsaugą Baltijos regione. Į programą įsijungė šios šalys ar jų administraciniai regionai — Suomijos *Alandų regionas*, *Suomija* (be Alandų), Rusijos *Leningrado sritis*,

Estija, Latvija, Lietuva, Rusijos Kaliningrado sritis, Lenkija, Vokietijos Meklenburgo-Forpomerno ir Šlezvigo-Holšteino žemės, Danija ir Švedija. Visų šių šalių ir regionų atstovai sudarė ekspertų grupę kaupti informacijai apie nykstančias rūšis raudonosios knygos parengimui.

Pirmoje dalyje pateikiami visų Baltijos jūrą supančių šalių ar jų administracinių regionų nykstančių rūšių (aukštesniųjų augalų ir stuburinių gyvūnų, išskyrus žuvis) sąrašai. Vėliau bus išleista antroji dalis – apie 100 aukštesniųjų augalų ir 50 stuburinių gyvūnų rūšių, svarbių visam regionui, monografiniai aprašymai.

Augalai ir gyvūnai yra išdėstyti abėcėline tvarka pagal lotyniškus pavadinimus. Jų būklės kategorijos atitinka IUCN sistemą: *išnykusios* (0), *išnykstančios* (1), *sparčiai mažėjančio skaitlingumo* (2), *retos* (3) ir *neapibrėžto statuso* (?) rūšys. Kartais naudojama kategorija *reikalaujančios dėmesio* (4), nors tai nėra oficiali IUCN kategorija. Kiti ženklai yra tokie: (+) – rūšis yra, bet nyksta ir (–) – nesutinkama toje šalyje. Augalams taip pat naudojamas ženklas (a) – sutinkamos, bet neįtrauktos į Raudonosios knygos sąrašus, nepaisant jų būklės (nesenai užneštos, daugiausiai antropogeninės rūšys; jų išskyrimo kriterijai ir buvimo trukmė regione plačiai kinta).

CZERWONA KSIĘGA REGIONU BAŁTYCKIEGO

Część 1. Listy zagrożonych roślin naczyniowych i kręgowców

W roku 1986 podjęto współpracę w zakresie badań, dokumentacji i praktycznej ochrony zagrożonych gatunków w obszarze bałtyckim. W programie tym udział wzięły następujące kraje lub rejony administracyjne (części krajów): fiński rejon Wysp Alanzkich (Åland), Finlandia (bez rejonu Åland), rosyjski rejon leningradzki, Estonia, Łotwa, Litwa, rosyjski rejon kaliningradzki, Polska, niemieckie prowincje Meklenburgia-Pomorze Zachodnie i Szlezwik-Holsztyn, Dania i Szwecja. Przedstawiciele wszystkich tych krajów i rejonów utworzyli grupę ekspertów dla zestawienia materiałów o zagrożonych gatunkach celem opublikowania Czerwonej Księgi.

Ten pierwszy tom zawiera listy gatunków zagrożonych (rośliny naczyniowe i kręgowce z wyłączeniem ryb) we wszystkich uczestniczących krajach i obszarach administracyjnych położonych wokół Morza Bałtyckiego. W przygotowaniu jest tom drugi zawierający opisy monograficzne około 100 gatunków roślin naczyniowych i 50 taksonów kręgowców interesujących dla całego Regionu.

Rośliny i zwierzęta zestawiono według ich nazw naukowych (łacińskich) w porządku alfabetycznym. Przyjęto kategorie zagrożenia zgodnie z systemem Międzynarodowej Unii Ochrony Przyrody (IUCN): gatunek wymarły lub zaginiony (0), wymierający (1), narażony (2), rzadki (3) i o nieokreślonym zagrożeniu (?). Niekiedy używana jest kategoria wymagający wzmożonej troski (4), choć nie jest to oficjalna kategoria IUCN. Innymi stosowanymi tu symbolami są: (+) “występujący ale nie zagrożony” i (–): nie występujący”. W przypadku roślin przyjęto również symbol (a): gatunek “występuje, ale nie wprowadzony na Czerwoną Listę bez względu na status” (rośliny obcego pochodzenia, głównie taksony antropogeniczne; kryteria czasowe bardzo różne w poszczególnych częściach Regionu).

ROTE LISTEN DER OSTSEEREGION

Teil 1. Liste der gefährdeten Gefäßpflanzen und Wirbeltiere

Im Jahre 1986 wurde ein Gemeinschaftsprogramm zur Untersuchung, Dokumentation und zur praktischen Naturschutzarbeit an gefährdeten Arten in der Ostseeregion begonnen. Die Länder oder Verwaltungsbezirke (Teile von Ländern), die sich daran beteiligen, sind *die Ålandregion* von Finnland, *Finnland* (mit Ausnahme der Ålandregion), *die Leningrad-Region* von Rußland, *Estland, Lettland, Litauen, die Kaliningrad-Region* von Rußland, *Polen*, die deutschen Länder *Mecklenburg-Vorpommern* und *Schleswig-Holstein*, Dänemark und Schweden. Vertreter aller dieser Länder und Regionen bildeten eine Expertengruppe, um die Informationen über gefährdeten Arten zusammenzutragen für Veröffentlichung eines Rote-Liste-Buches.

Dieser erste Band enthält die Listen der gefährdeten Arten (Gefäßpflanzen und Wirbeltiere mit Ausnahme der Fische) in allen beteiligten Ländern und Verwaltungsbezirken rund um die Ostsee. Ihm soll ein zweiter Band folgen, der Monographien von ungefähr hundert Arten von Gefäßpflanzen und fünfzig Wirbeltieren von allgemeinem Interesse für diese Region enthält.

Die Pflanzen und Tiere sind in alphabetischer Reihenfolge entsprechend ihren wissenschaftlichen Namen angeordnet. Die Gefährdungskategorien folgen den IUCN-Regeln: *ausgestorben* (0), *vom Aussterben bedroht* (1), *gefährdet* (2), *selten* (3) und *unbestimmt* (?). In einigen Fällen wird die Kategorie *“rücksichtsbedürftig”* (4) angewendet, obwohl dies keine offizielle IUCN-Kategorie ist. Andere Symbole sind: (+): “vorkommend, aber nicht gefährdet” und (–): “nicht vorkommend”. Für Pflanzen wird auch das Symbol (a) verwendet: “vorkommend, aber unabhängig vom Status nicht für die Rote Liste vorgesehen (Neubürger, meist anthropogene Taxa; Kriterien und zeitliche Vorkommen variieren weit im ganzen Gebiet).

RØDLISTE-BOG FOR ØSTERSØOMRÅDET

1. Del: Lister over truede karplanter og hvirveldyr

Et samarbejde om forskning og bevarelse af truede plante- og dyrearter i Østersøområdet påbegyndtes i 1986. De medvirkende lande og administrative regioner (dele af lande) er *Åland, Finland* (udover Åland), *Leningrad-regionen* i Rusland, *Estland, Letland, Litauen, Kaliningrad-regionen* i Rusland, *Polen*, de tyske delstater *Mecklenburg-Vorpommern* og *Slesvig-Holsten, Danmark* samt *Sverige*. En ekspertgruppe med repræsentanter fra alle disse områder har samlet oplysninger om truede arter i Østersøområdet, og de er nu sammenfattet til denne rødliste-publikation.

Denne første bog indeholder lister over truede karplanter (blomsterplanter og karsporeplanter) og hvirveldyr (bortset fra fisk) fra alle de medvirkende lande og administrative områder omkring Østersøen. Den bliver fulgt op af en bog, som indeholder artsmonografier for ca. 100 karplanter og 50 hvirveldyr, som dels er truede og dels af særlig interesse for området.

Planter og dyr bringes i listen i alfabetisk rækkefølge efter deres latinske videnskabelige navne. De angivne trussel-kategorier følger Den Internationale Naturbevarelsesunions (IUCN's) system: *forsvundne*, Ex (0); *akut truede*, E (1); *sårbare*, V (2); *sjældne*, R (3); *ubestemt status*, (?); under-

tiden anvendes kategorien *hensynskrævende*, (4). Andre symboler i listerne er: forekommer, men er ikke truet, (+); forekommer ikke (–).

For planter anvendes endvidere symbolet (a), der betyder, at arten forekommer, men uanset status ikke kommer med på rødlisten, fordi den er kommet ind i landets flora i nyere tid og med menneskers hjælp. (a) står således for "anthropogen forekomst"; kriterier og tidsmæssig grænse for, hvornår sådanne arter medtages på nationale rødlistor, varierer betydeligt fra land til land.

RÖDBOK FÖR ÖSTERSJÖOMRÅDET

Del 1. Listor över hotade kärlväxter och ryggradsdjur

Ett samarbete om information, forskning och bevarandeåtgärder rörande hotade arter startade år 1986. Medverkande länder eller administrativa områden (del av länder) är *Åland*, *Finland* (utom Åland), *Leningrad-regionen* i Ryssland, *Estland*, *Lettland*, *Litauen*, *Kaliningrad-regionen* i Ryssland, *Polen*, de tyska delstaterna *Mecklenburg-Vorpommern* och *Schleswig-Holstein*, *Danmark* samt *Sverige*. En expertgrupp med representanter från alla dessa områden sammanställer information om hotade arter i östersjöområdet, vilken sammanfattas i en rödbok.

Denna första volym innehåller listor över hotade kärlväxter och ryggradsdjur (utom fiskar) från alla medverkande länder och administrativa områden runt Östersjön. Den kommer att följas av en volym innehållande artmonografier för ca 100 kärlväxter och 50 ryggradsdjur, vilka är hotade och av särskilt intresse för området.

Växter och djur förtecknas i bokstavsordning efter vetenskapligt namn. De angivna hotkategorierna följer IUCN:s system: *försvunna* (0), *akut hotade* (1), *sårbara* (2), *sällsynta* (3) och *obestämda* (?). Ibland används även kategorin *hansynskrävande* (4). Andra symboler är: (+): "forekommer men är ej hotad" och (–): "forekommer ej". För växter används även symbolen (a): "forekommer, men skulle oavsett status ej komma ifråga för den röda listan" (inkommen under senare tid, i regel med människans hjälp (antropogen forekomst); kriterier och tidsgräns för detta varierar avsevärt mellan de enskilda listorna).

RED DATA BOOK OF THE BALTIC REGION

Part 1. Lists of threatened vascular plants and vertebrates

In 1986, a collaborative programme was begun to research, document and undertake practical conservation of threatened species in the Baltic area. Those countries or administrative regions (parts of countries) contributing comprise the *Åland region* of Finland, *Finland* (excl. Åland), the *Leningrad region* of Russia, *Estonia*, *Latvia*, *Lithuania*, the *Kaliningrad region* of Russia, *Poland*, the German states of *Mecklenburg-Vorpommern* and *Schleswig-Holstein*, *Denmark* and *Sweden*. Representatives from all these countries and regions formed an expert group to compile information on threatened species for publication as a red data book.

This first volume contains the lists of threatened species (vascular plants and vertebrates excluding fish) in all the participating countries and administrative areas around the Baltic Sea. It will be followed by a second volume containing monographs of about 100 species of vascular plant and 50 species of vertebrate of special conservation concern in the region.

Plants and animals are listed in alphabetical order according to their scientific names. Threat categories follow the IUCN system: *Extinct* (0), *Endangered* (1), *Vulnerable* (2), *Rare* (3) and *Indeterminate* (?). Sometimes the category *Care demanding* (4) is used, although not an official IUCN category. Other symbols are: (+): "present but not threatened" and (-): "absent". For plants, there is also the symbol (a): "present, but not eligible for conservation ranking" (recent alien, mostly anthropogenic taxa; criteria and time-scales vary widely across the region).

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